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Minister of Trade and Commerce



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CANADA  
DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
EMPLOYMENT STATISTICS BRANCH

CHART BOOK  
OF  
EMPLOYMENT AND PAYROLLS IN CANADIAN INDUSTRIES

Employment: 1939 - July 1, 1947  
Payrolls: 1941 - July 1, 1947

46-9563-  
23.12.47



OTTAWA  
December 1947



DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
EMPLOYMENT AND PAYROLL STATISTICS BRANCH  
OTTAWA - CANADA

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CHART BOOK  
OF  
EMPLOYMENT AND PAYROLLS IN CERTAIN INDUSTRIES.

FOREWORD.

During the war and in immediately succeeding months, the Wartime Prices and Trade Board maintained a series of charts showing the current movements of employment and payrolls grouped by industries and provinces, and for the larger cities. The charts were based upon monthly returns furnished by leading employers to the Employment and Payroll Statistics Branch of the Dominion Bureau of Statistics. These graphs aroused considerable interest during the war, and also in the post-war period, and it was arranged that the series should be continued by the Department of Reconstruction and Supply. In the autumn of 1946, the Economic Research Branch of that Department issued a chart book bringing the record up to Aug. 1, 1946. It was later decided that the preparation of the charts should be transferred to the Bureau, as the collecting agency of the original data. The present chart book, the first to be issued by the Dominion Bureau of Statistics, carries forward the curves to July 1, 1947. It is proposed hereafter to issue the chart books semi-annually.

In most cases, the graphs depict the situation indicated by the reporting employers in the period, 1939 to the middle of 1947 in the case of employment, and in the case of payrolls, from June 1, 1941, when the monthly record of salaries and wages was established. The index numbers, based on June 1, 1941, have been charted (a) in their original form and (b) in the form of 12 months' moving averages centered, since each item in the latter series is the average of an entire year, the seasonal influences are largely eliminated, with the result that the trends over a period of some years are more readily discernible.

The curves shown in the charts in the following pages represent the trends reported in establishments usually employing 15 persons and over, the smaller businesses being excluded from the monthly surveys for practical reasons associated with the costs of collection and processing, in terms of money and of time. As a result of this limitation of the scope of the monthly enquiries, the coverage of total employment in the various industries is unequal, depending upon whether they are ordinarily organized in large or small units of production or operation.

In spite of certain disparities in the current inquiries' coverage of total employment in the various industrial groups, the reported employees in all cases represent comparatively high proportions of the total wage-earners at work in the various industrial divisions, so that the charts for the individual industries may be considered as accurately depicting the fluctuations therein.

Except in the predominantly agricultural provinces of Prince Edward Island



and Saskatchewan, the monthly surveys' coverage of total employment in the various provinces is relatively high, and also shows a considerable degree of uniformity; at the census date, the percentage of coverage of all agricultural and non-agricultural workers varied from 52 p.c. in New Brunswick to 64 $\frac{1}{2}$  p.c. in Ontario, the Dominion proportion being 59 p.c. In the industries included in the monthly surveys, the range was also from seven points below in the case of New Brunswick, to 5 $\frac{1}{2}$  points above in the case of Manitoba, the general coverage in Canada being over 79 p.c. Although these provincial variations are not excessive, they should nevertheless be borne in mind when studying the regional charts; it should also be remembered that certain of the industries excluded from the monthly surveys (notably agriculture, domestic service, etc., etc.) did not share in the wartime expansion of employment, which particularly affected manufacturing and certain other divisions in which the establishments furnishing monthly data employ extremely large proportions of the total persons engaged therein.

In the case of many industries for which charts appear in the following pages, the situation from time to time since the end of the war has been seriously affected by industrial disputes; not infrequently, these caused shortages which lowered the curves in numerous other industries. In 1946, the strikes in various branches of manufacturing were of major importance. During the months of 1947 for which curves have been plotted in the present chart book, the dispute in the coal fields of Nova Scotia was probably the most far-reaching in its effects, involving many workers for a lengthy period.

Some of the industries for which charts are given in succeeding pages employ rather small numbers of persons, with the result that minor changes will sometimes appear of greater importance than their size warrants. In this connection, attention is drawn to the figures of numbers of employees on the payrolls of the co-operating establishments, as given on pages III to VI. These tables show the industrial and geographical distributions of the employees reported by the firms furnishing data at July 1, 1947, together with the percentage changes in the index numbers of employment as compared with July 1 of earlier years: (1) 1939, as representative of the immediate pre-war situation; (2) 1943, when industrial activity was approaching its war-time peak; (3) 1945, as representative of the situation existing between VE and VJ Days, and (4) 1946, when the major cut-backs in war production had taken place, and the non-manufacturing classes were showing considerable expansion, as labour and materials became more available.

The charts in this volume have been adapted and many of them remounted by Mr. N.R. Deslisle, Chief Draftsman of the Bureau.

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## III

A COMPARISON OF EMPLOYMENT AS REPORTED BY LEADING FIRMS REGIONALLY,  
AND IN SPECIFIED INDUSTRIES AT JULY 1, 1947

with:

1. PREWAR LEVEL - July 1, 1939
2. PEAK WAR-YEAR LEVEL - July 1, 1943
3. PRE-V-J DAY LEVEL - July 1, 1945
4. POST WAR LEVEL - July 1, 1946

Number of Employees Reported by Co-operating Firms at July 1, 1947 (000's)	Reported Employment at July 1, 1947 Compared with July 1 in				<u>See Chart Number</u>
	1939 P.C.	1943 P.C.	1945 P.C.	1946 P.C.	
(Decrease indicated by minus sign)					

SECTION 1 - EIGHT MAJOR INDUSTRIES

A. TOTAL BY AREAS

1. <u>Canada</u>	1,952.1	+ 63.9	+ 3.3	+ 8.0	+ 9.2	1
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2. Economic Areas

Ontario	819.1	+ 71.3	+ 6.1	+ 8.8	+ 9.0	2
Quebec	575.0	+ 54.3	- 3.7	+ 5.2	+ 9.0	2
British Columbia	187.7	+ 77.4	+ 2.6	+ 9.2	+ 22.6	3
Prairies	231.1	+ 60.8	+ 18.1	+ 15.7	+ 5.9	3
Maritimes	139.2	+ 54.7	- 2.9	+ 0.9	+ 2.0	3

3. Principal Cities

Montreal	283.3	+ 65.9	- 4.3	+ 3.4	+ 6.0	4
Quebec	28.0	+ 46.7	- 32.9	- 17.9	+ 11.0	4
Toronto	258.6	+ 75.9	- 1.2	+ 3.0	+ 8.6	5
Hamilton	62.5	+ 78.3	+ 1.1	+ 6.4	+ 7.3	5*
Windsor	38.4	+ 138.7	- 9.8	+ 2.6	+ 13.5	5*
Ottawa	24.5	+ 64.6	+ 9.3	+ 13.9	+ 6.3	6
Winnipeg	66.4	+ 65.3	+ 11.6	+ 12.2	+ 4.0	6
Vancouver	83.9	+ 99.6	- 8.3	- 3.4	+ 16.6	6

B. INDIVIDUAL MAJOR INDUSTRIES

Mining	78.9	+ 2.1	+ 7.0	+ 14.3	+ 5.2	7
Construction	213.5	+ 24.4	+ 23.9	+ 46.4	+ 16.6	7
Manufacturing**	1,054.8	+ 80.1	- 11.4	- 3.1	+ 7.2	7
Communication	45.9	+ 97.5	+ 62.2	+ 43.2	+ 16.1	8
Transportation	181.6	+ 61.8	+ 21.0	+ 11.8	+ 10.1	8
Services***	65.7	+ 68.4	+ 28.9	+ 19.1	+ 7.5	8
Logging	73.5	+ 153.5	+ 63.0	+ 30.9	+ 22.9	9
Trade	238.1	+ 49.9	+ 35.9	+ 19.7	+ 8.0	9

Average Weekly Earnings -  
Eight Leading Industries

10

\* The existence of important strikes in the summer of 1946 had seriously affected the situation at July 1.

\*\* Including electric light and power.

\*\*\* Consisting mainly of hotels and restaurants and laundries and dry-cleaning plants.



Number of Employees Reported by Co-operating Firms at July 1, 1947 (000's)	Reported Employment at July 1, 1947 Compared with July 1 in				See Chart Number
	1939 P.C.	1943 P.C.	1945 P.C.	1946 P.C.	
(Decrease indicated by minus sign)					

SECTION II - MANUFACTURING INDUSTRIES

A. TOTAL MANUFACTURING	1,028.1	+ 81.0	- 12.2	- 3.7	+ 7.2	11
1. Total Non-Durable Goods	536.8	+ 59.2	+ 6.5	+ 5.9	+ 6.3	11
2. Total Durable Goods	491.3	+112.5	- 26.0	- 12.4	+ 8.1	11
B. MAJOR GROUPS						
1. <u>Non-Durable Goods</u>						
Processed Food	110.0	+ 59.1	+ 23.7	+ 10.8	+ 5.2	12
Beverages & Tobacco	28.1	+ 58.3	+ 24.0	+ 12.5	+ 5.9	12
Textiles	150.3	+ 48.1	+ 7.8	+ 8.8	+ 8.3	12*
Leather & Its Products	32.6	+ 42.8	+ 10.2	+ 11.0	+ 0.2	12
Pulp & Paper Products	113.1	+ 61.9	+ 35.1	+ 23.0	+ 7.6	13
Non-Metallic Minerals	16.0	+ 38.5	+ 4.7	- 0.6	- 1.9	13*
Chemicals	41.9	+109.0	- 48.7	- 28.9	+ 3.6	13
2. <u>Durable Goods</u>						
Lumber & Its Products	81.8	+ 61.3	+ 22.5	+ 15.6	+ 14.5	14
Clay, Glass & Stone Products	21.5	+ 94.8	+ 43.1	+ 34.0	+ 9.8	14
Electrical Apparatus Products	50.9	+165.9	+ 15.1	+ 19.6	+ 17.8	14*
Non-Ferrous Metal Products	47.0	+110.5	- 35.0	- 5.8	+ 11.4	15*
Iron & Its Products	289.2	- 77.3	- 37.8	- 24.6	+ 3.5	15*
C. MINOR GROUPS						
1. <u>Non-Durable Goods</u>						
Edible Animal Products:						
Dairy Products	19.1	+ 68.7	+ 30.8	+ 13.1	+ 9.0	16
Meat Products	20.2	+ 65.4	+ 16.1	- 2.1	- 4.5	16
Fish Processing & Canning	8.5	+ 54.1	+ 18.3	+ 14.0	- 5.9	16
Edible Plant Products:						
Bread & Bakery Products	21.3	+ 42.1	+ 13.3	+ 8.2	+ 6.5	17
Flour	9.6	+ 78.3	+ 31.7	+ 17.0	+ 4.9	17
Fruit & Veg. Preserving	13.6	+ 90.1	+ 56.0	+ 37.6	+ 23.4	17
Confectionery:						
Sugar & Syrup	2.8	+ 15.4	+ 32.1	+ 19.3	+ 19.7	18
Aerated Water	3.6	+ 20.5	+ 9.5	+ 15.5	+ 15.9	18
Chocolate & Confectionery	7.0	+ 27.0	+ 4.7	+ 5.5	+ 13.6	18

\* Employment during 1946 was affected by major strikes.



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Number of Employees Reported by Co-operating Firms at July 1, 1947 (000's)	Reported Employment at July 1, 1947 Compared with July 1 in				See Chart Number
	1939 P.C.	1943 P.C.	1945 P.C.	1946 P.C.	
(Decrease indicated by minus sign)					

Non-Durable Goods (cont'd)

## Beverages &amp; Tobacco:

Tobacco	10.0	+ 24.9	- 4.6	- 0.9	+ 2.5	19
Brewing	9.7	+ 53.9	+ 61.9	+ 31.4	+ 9.9	19
Distilling	4.2	+123.1	+ 51.8	+ 8.5	- 0.3	19

## Textile Products:

Hosiery & Knit Goods	24.8	+ 34.6	+ 14.3	+ 11.6	+ 6.2	20
Cotton Yarn & Cloth	21.2	+ 14.5	- 7.2	+ 1.1	+ 32.2	20*
Woollen Yarn & Cloth	14.8	+ 58.7	+ 15.7	+ 17.5	+ 7.1	20
Silk, Artificial Silk	14.5	+ 98.8	+ 38.7	+ 24.8	+ 8.1	21
Garments & Furnishing	53.7	+ 57.5	+ 6.3	+ 8.1	+ 7.1	21

## Leather Products:

Tanning	5.6	+ 48.8	+ 22.6	+ 20.3	+ 5.1	22
Footwear	19.9	+ 28.1	+ 12.2	+ 9.9	- 0.4	22
Gloves & Mitts	2.5	+103.8	- 12.8	+ 0.7	- 3.2	22
Other Leather Goods	4.2	+ 93.5	+ 5.5	+ 9.9	- 2.5	22

## Fur &amp; Rubber:

Fur	4.0	+ 44.2	+ 22.3	+ 8.8	+ 1.0	23
Rubber	24.8	+ 80.8	+ 55.3	+ 8.3	+ 20.7	23*

## Pulp &amp; Paper Products:

Printing & Publishing	40.4	+ 41.4	+ 34.3	+ 20.6	+ 6.3	24
Pulp & Paper	51.0	+ 66.2	+ 36.1	+ 25.3	+ 11.2	24
Paper Products	21.6	+102.4	+ 34.1	+ 20.6	+ 9.0	24

## Non-Metallic Minerals:

Coal Products	3.3	+ 19.0	+ 7.1	+ 3.8	- 6.1	25
Petroleum	9.8	+ 42.0	+ 16.1	+ 6.9	+ 3.1	25

## Chemicals:

Drugs	8.9	+ 99.3	+ 23.3	+ 4.2	- 0.1	26
Soap	3.2	+ 52.9	+ 19.2	+ 11.1	- 2.7	26
Fertilizer	3.0	+104.1	+ 46.0	+ 41.7	+ 9.2	26
Paints & Varnishes	5.2	+ 72.6	+ 37.4	+ 19.7	+ 1.7	27
Acids, Alkalies & Salts	5.3	+117.0	- 22.1	- 10.0	+ 0.3	27
Compressed Gases	1.7	+137.0	+ 2.0	- 3.2	+ 6.7	27
(Special War Expanded Industries)						
Explosives	3.4	+ 55.6	- 89.6	- 80.7	+ 1.5	28
Ammunition	1.2	- 51.8	- 93.8	- 85.9	+ 1.1	29



	Number of Employees Reported by Co-operating Firms at July 1, 1947 (000's)	Reported Employment at July 1, 1947 Compared with July 1 in				See Chart Number
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(Decrease indicated by minus sign)						
<b>2. Durable Goods</b>						
<b>Lumber &amp; Its Products:</b>						
Furniture	14.9	+ 93.4	+ 39.9	+ 22.7	+ 5.9	30
Rough & Dressed Lumber	48.5	+ 51.1	+ 29.1	+ 21.2	+ 22.1	30
Wooden Containers	9.5	+ 89.7	+ 21.6	+ 6.6	+ 8.8	30
<b>Clay, Glass &amp; Stone Products:</b>						
Clay	5.9	+ 74.1	+ 93.8	+ 59.7	+ 87.9	25
Stone	8.4	+109.7	+ 25.6	+ 36.9	+ 13.2	25
Glass	7.2	+ 99.4	+ 19.1	+ 15.1	- 0.8	25
<b>Primary Metals:</b>						
Primary Steel	36.0	+114.3	+ 2.3	+ 11.6	+ 6.1	31*
Lead, Zinc & Copper	16.7	+115.4	- 50.8	- 15.2	+ 10.4	31*
Non-Ferrous Smelting & Refining	12.5	+ 26.9	- 14.2	- 2.1	+ 11.5	32
Aluminum	12.1	+236.9	- 43.1	- 8.8	+ 18.0	32
<b>Iron &amp; Its Products:</b>						
Machinery	30.1	+128.2	+ 5.2	+ 18.7	+ 9.9	33
Railway Cars & Parts	43.5	+ 60.0	- 0.7	- 1.4	+ 1.1	33
Railway Locomotives	8.8	+ 74.8	- 23.8	- 23.3	- 16.1	33
Foundries & Machine Shops	8.4	+111.0	- 3.5	- 4.3	+ 3.9	34
Tools	7.5	+104.7	- 31.0	- 13.4	- 4.9	34
Iron & Steel Fabrication	10.7	+ 92.5	- 33.8	- 19.2	+ 15.3	34
Farm Implements	16.1	+265.4	+ 42.7	+ 33.8	+ 17.2	35
Boilers, Tanks & Engines	7.4	+125.0	- 8.5	+ 3.8	+ 6.8	35
Wire Products	5.4	+ 54.1	+ 2.0	+ 1.5	- 6.5	36*
Heating Appliances	6.3	+ 51.4	+ 13.2	+ 1.9	- 0.7	36
Sheet Metal Products	15.5	+138.0	+ 19.0	+ 2.9	+ 3.3	36
Small Hardware	6.4	+155.4	- 2.6	+ 13.2	+ 4.1	36
Automobiles	20.3	+173.8	- 5.8	+ 7.1	+ 23.2	37*
(Special War Expanded Industries)						
Airplanes	10.8	+188.1	- 85.8	- 79.9	- 21.1	38
Shipbuilding	23.9	+720.8	- 67.2	- 60.9	- 3.9	39
Firearms	0.7	n.a.	- 98.2	- 96.1	- 58.5	40

\* Strikes



CHART BOOK  
OF  
EMPLOYMENT AND PAYROLLS IN CANADIAN INDUSTRIES

ARRANGEMENT OF CHARTS

CHART NOS.

SECTION 1.    EIGHT MAJOR INDUSTRIES

A. TOTAL BY AREAS

1. <u>Canada</u>	1
2. <u>Economic Regions</u>	2 & 3
3. <u>Principal Cities</u>	4 - 6

B. INDIVIDUAL MAJOR INDUSTRIES

7 - 10

SECTION 11.    MANUFACTURING INDUSTRIES

A. TOTAL - NON DURABLE & DURABLE GOODS

11

B. MAJOR GROUPS

1. <u>Non-Durable Goods</u>	12 & 13
2. <u>Durable Goods</u>	14 & 15

C. MINOR GROUPS

1. <u>Non-Durable Goods</u>	16 - 24 25 - 27 28 & 29
2. <u>Durable Goods</u>	30 31 - 36 37 - 40

\* Also shown on the chart for certain non-durable goods industries are charts for clay, glass and stone products.

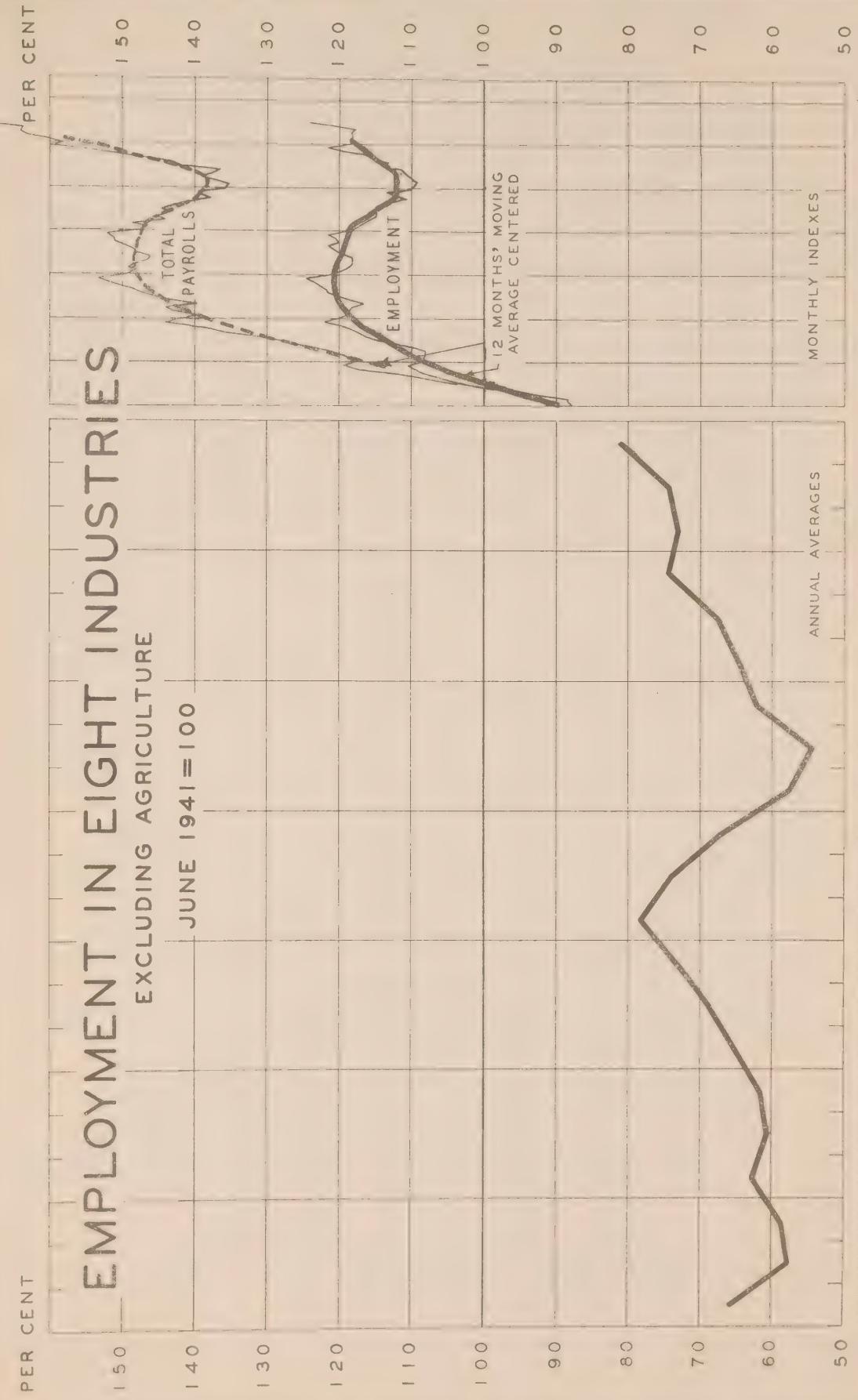


PER CENT

# EMPLOYMENT IN EIGHT INDUSTRIES

EXCLUDING AGRICULTURE

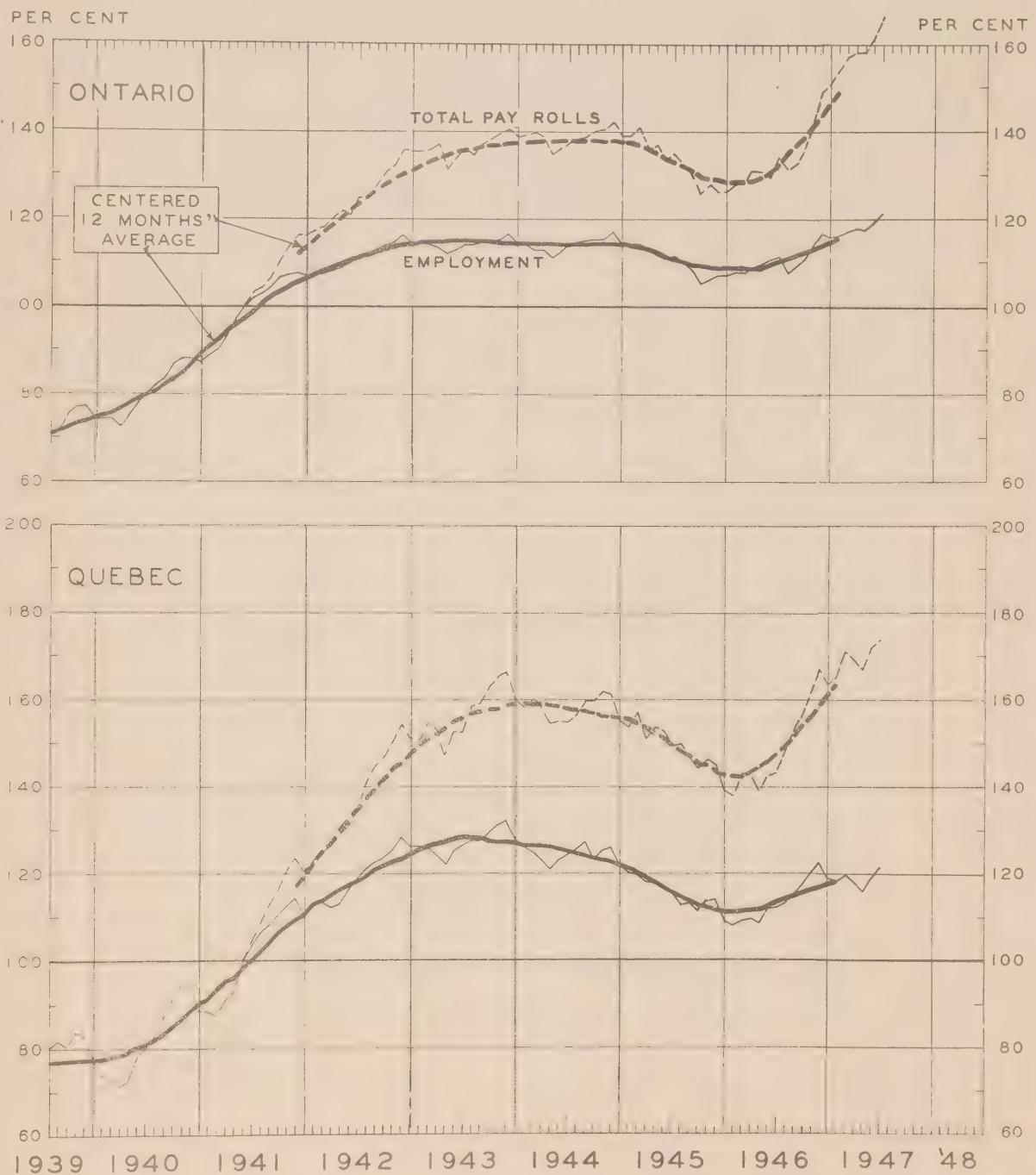
JUNE 1941 = 100





**EMPLOYMENT AND PAYROLLS**  
**IN EIGHT LEADING INDUSTRIES EXCLUDING AGRICULTURE**  
**ONTARIO, QUEBEC**

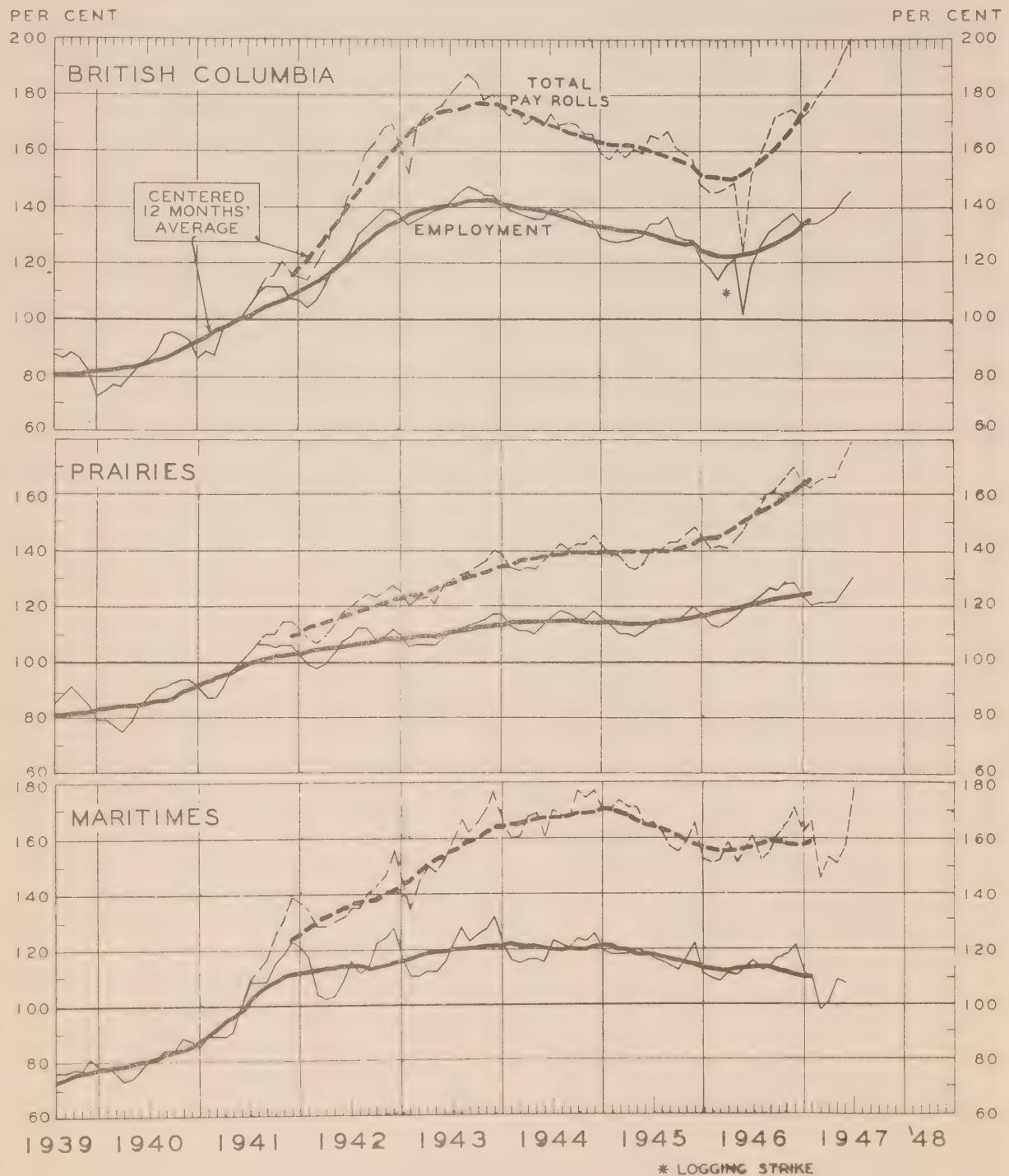
JUNE 1941 = 100





**EMPLOYMENT AND PAYROLLS**  
**IN EIGHT LEADING INDUSTRIES EXCLUDING AGRICULTURE**  
**BRITISH COLUMBIA, PRAIRIES, MARITIMES**

JUNE 1941 = 100

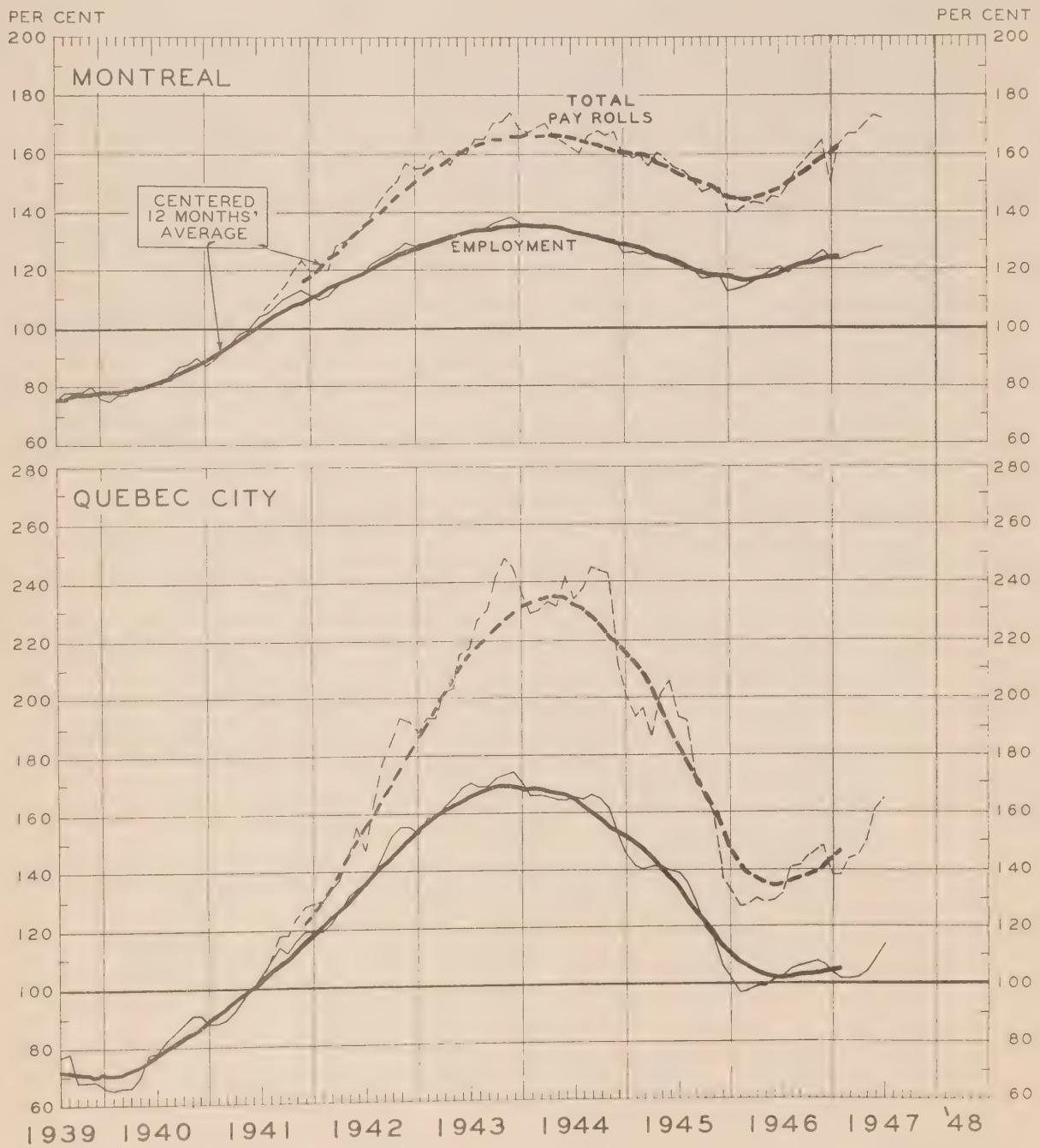


\* LOGGING STRIKE



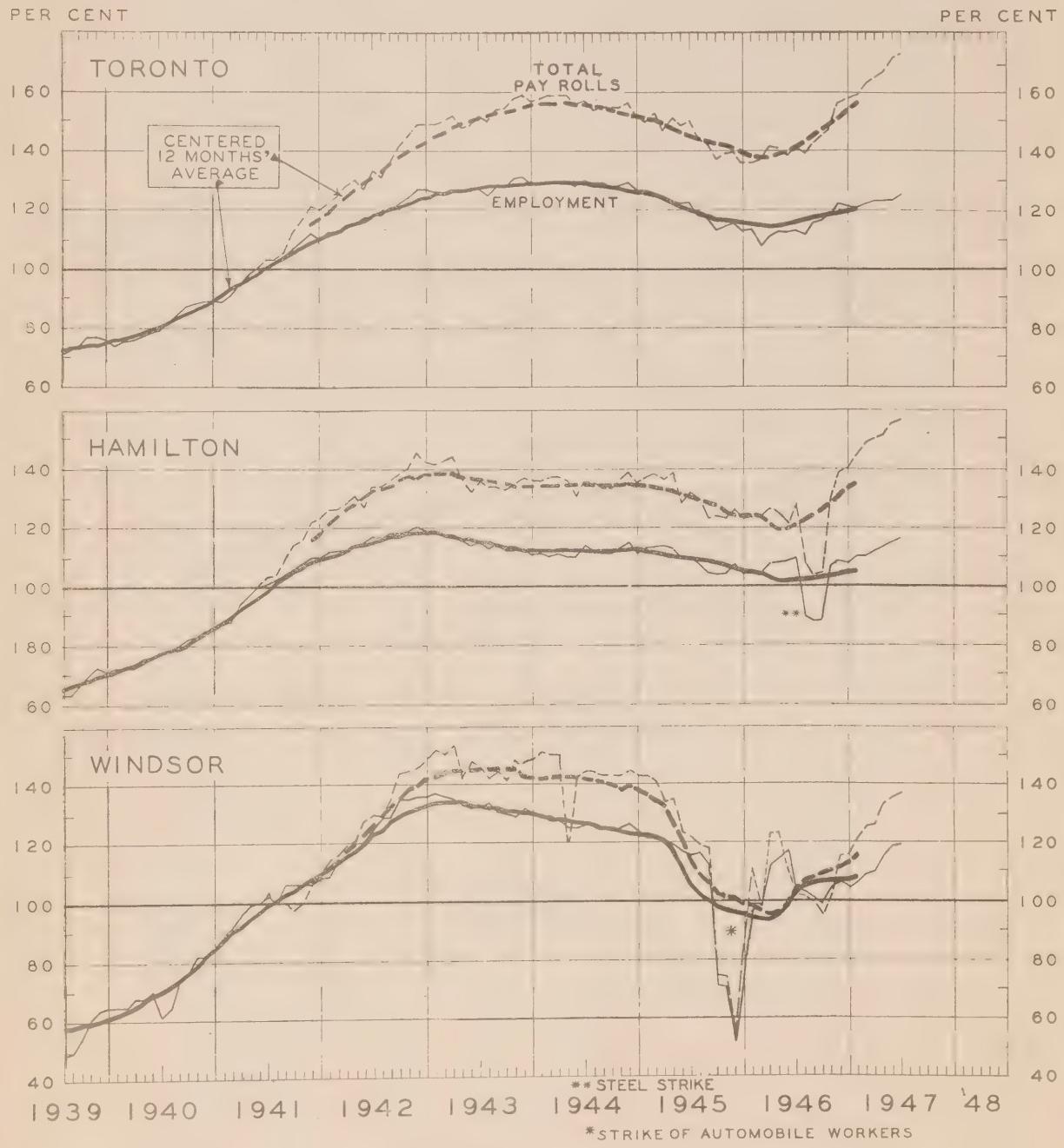
CHART NO. 4

**EMPLOYMENT AND PAYROLLS**  
**IN EIGHT LEADING INDUSTRIES EXCLUDING AGRICULTURE**  
**MONTRÉAL, QUÉBEC**  
JUNE 1941 = 100





**EMPLOYMENT AND PAYROLLS**  
**IN EIGHT LEADING INDUSTRIES EXCLUDING AGRICULTURE**  
**TORONTO, HAMILTON, WINDSOR**

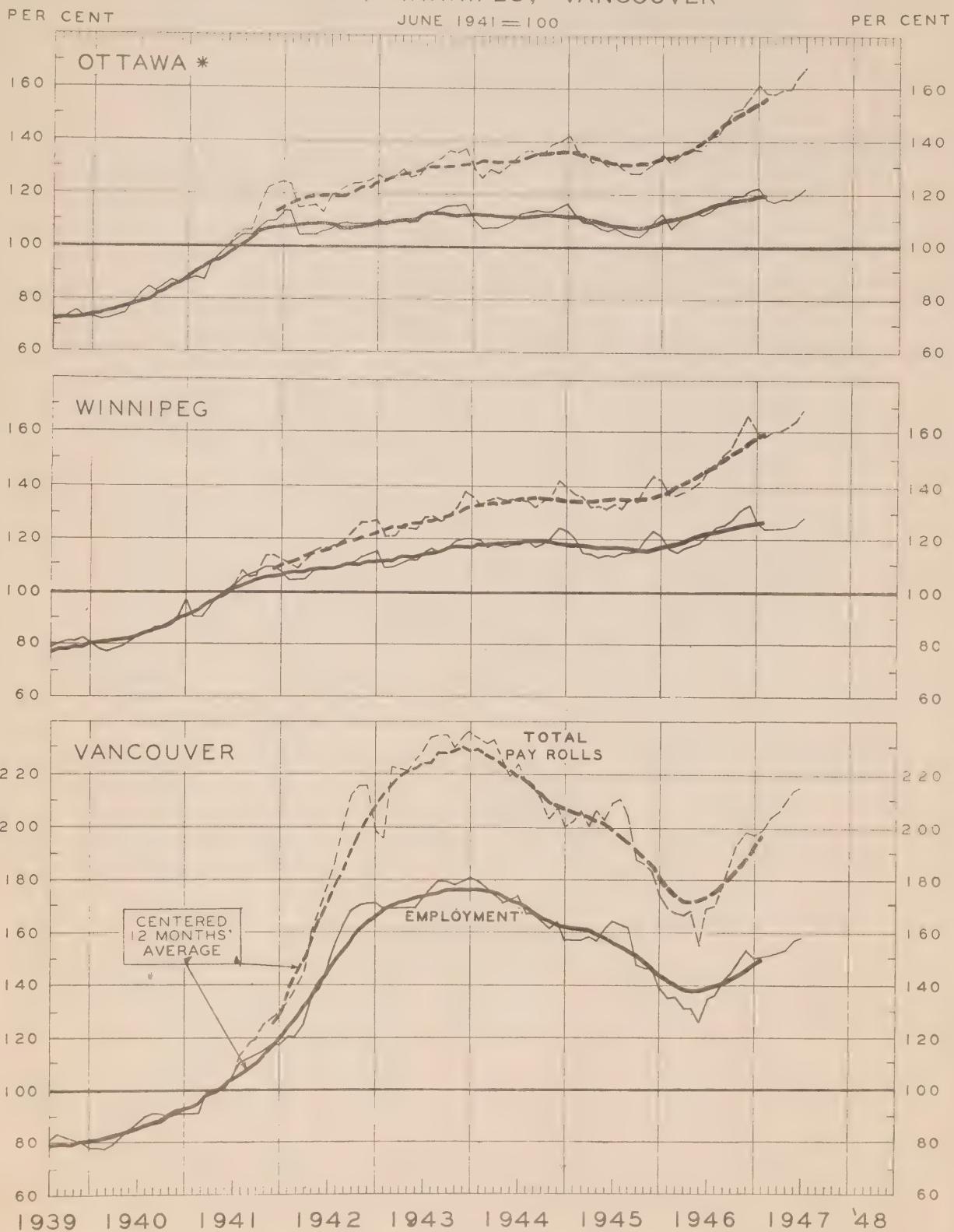
JUNE 1941 = 100<sup>1</sup>

\*\* STEEL STRIKE

\* STRIKE OF AUTOMOBILE WORKERS



**EMPLOYMENT AND PAYROLLS**  
 IN EIGHT LEADING INDUSTRIES EXCLUDING AGRICULTURE  
 OTTAWA, WINNIPEG, VANCOUVER



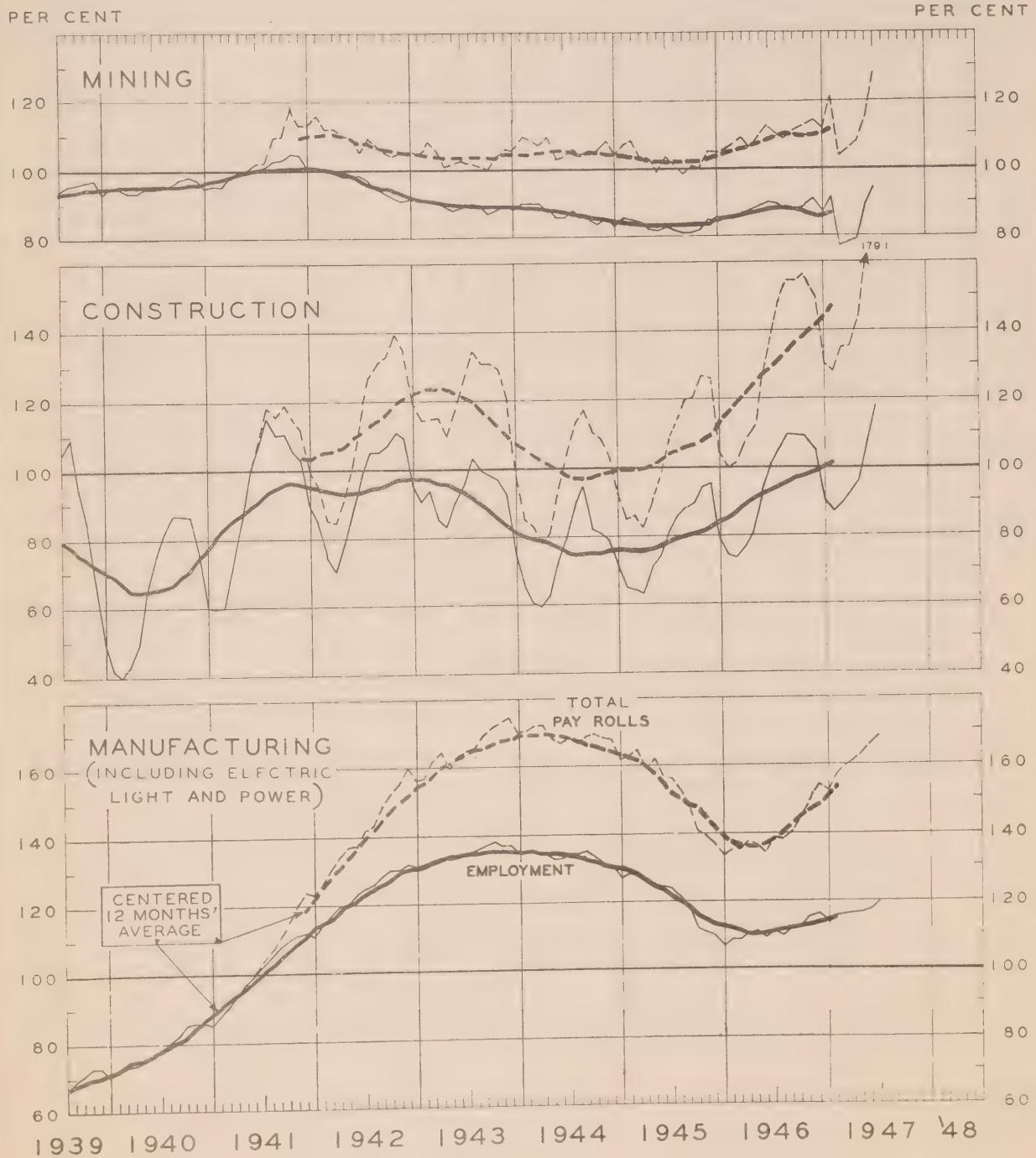
\* EXCLUDING CIVIL SERVICE



# EMPLOYMENT AND PAYROLLS

## MINING, CONSTRUCTION, MANUFACTURING

JUNE 1941 = 100

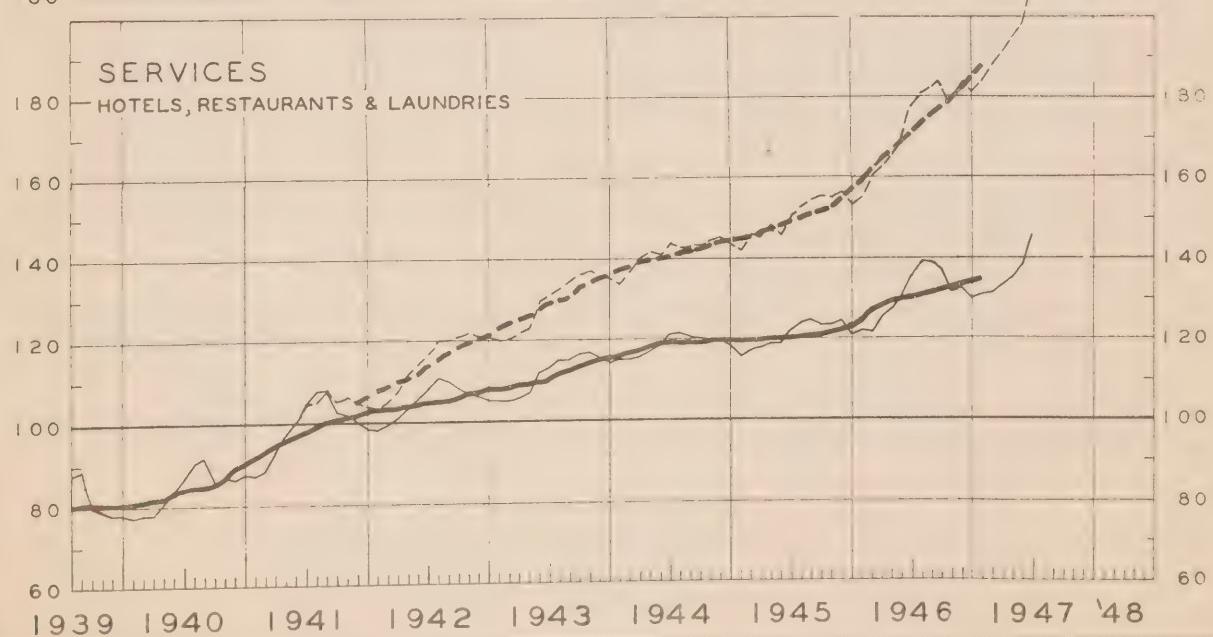
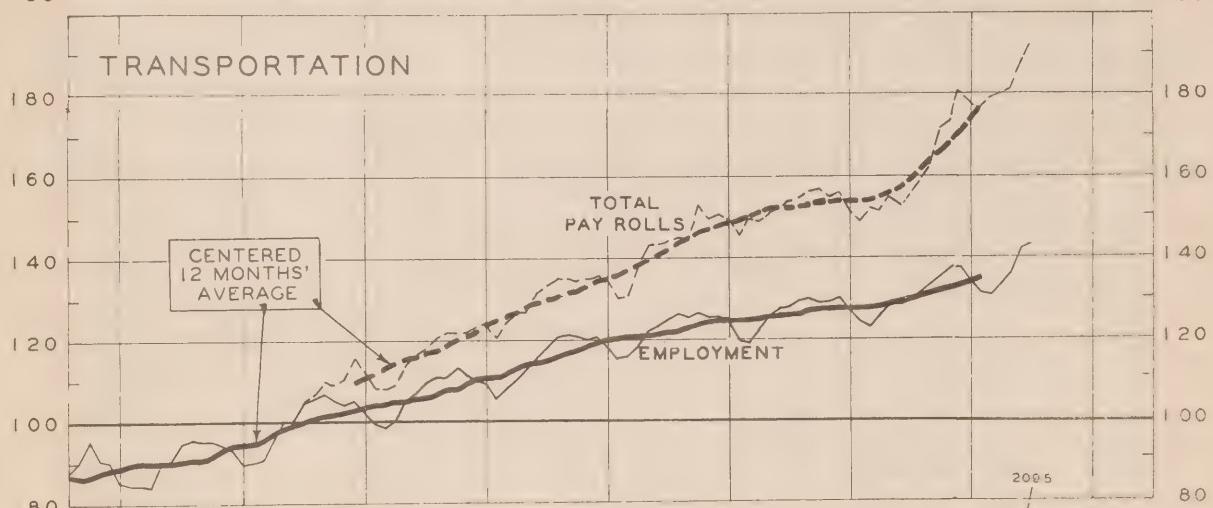
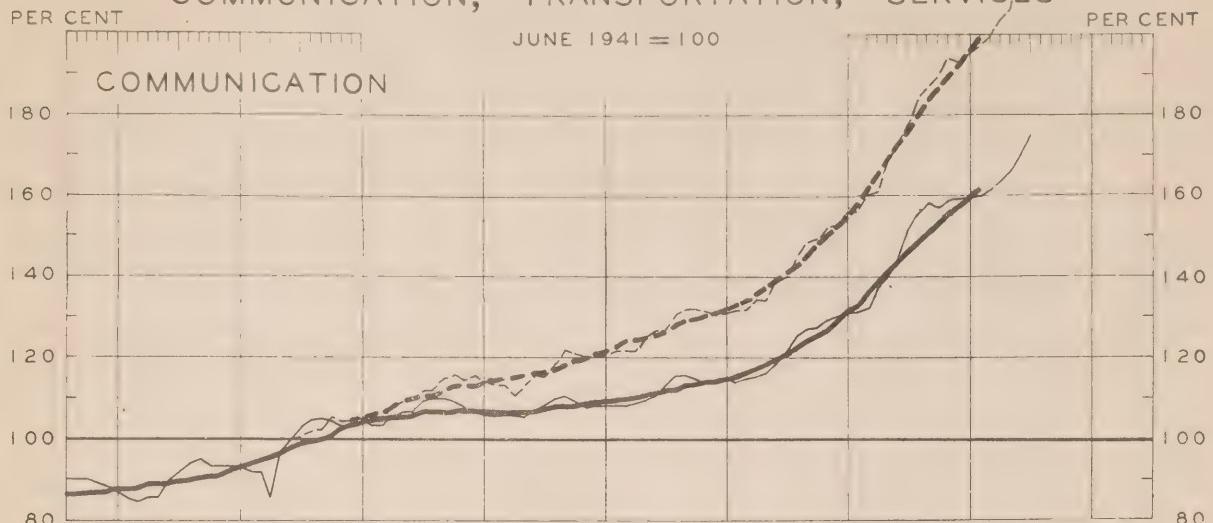




# EMPLOYMENT AND PAYROLLS

## COMMUNICATION, TRANSPORTATION, SERVICES

JUNE 1941 = 100



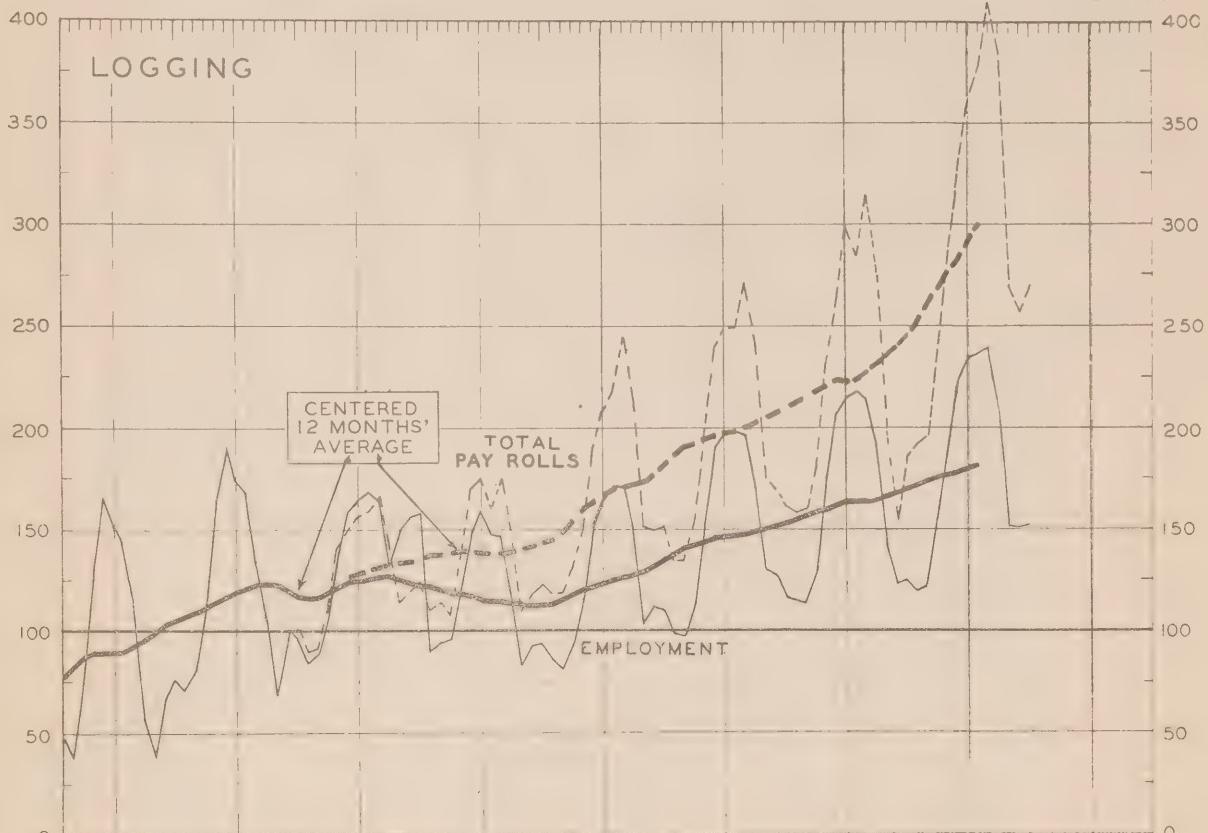


# EMPLOYMENT AND PAYROLLS

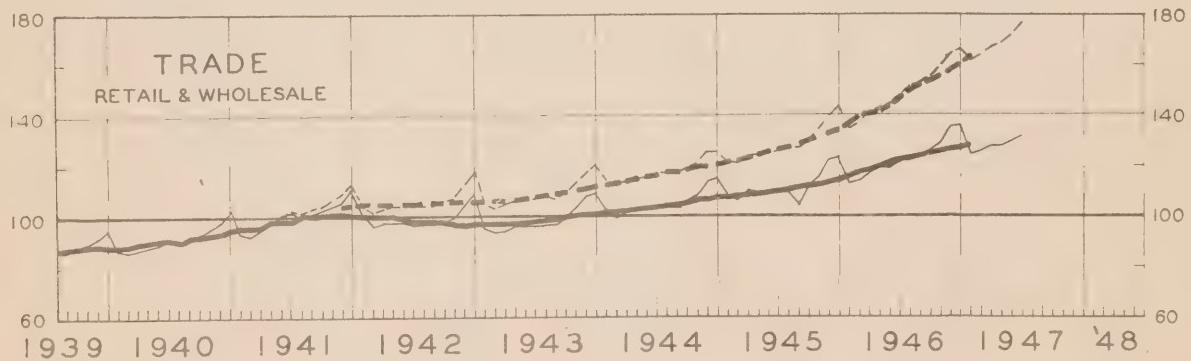
## TRADE AND LOGGING

JUNE 1941 = 100

PER CENT

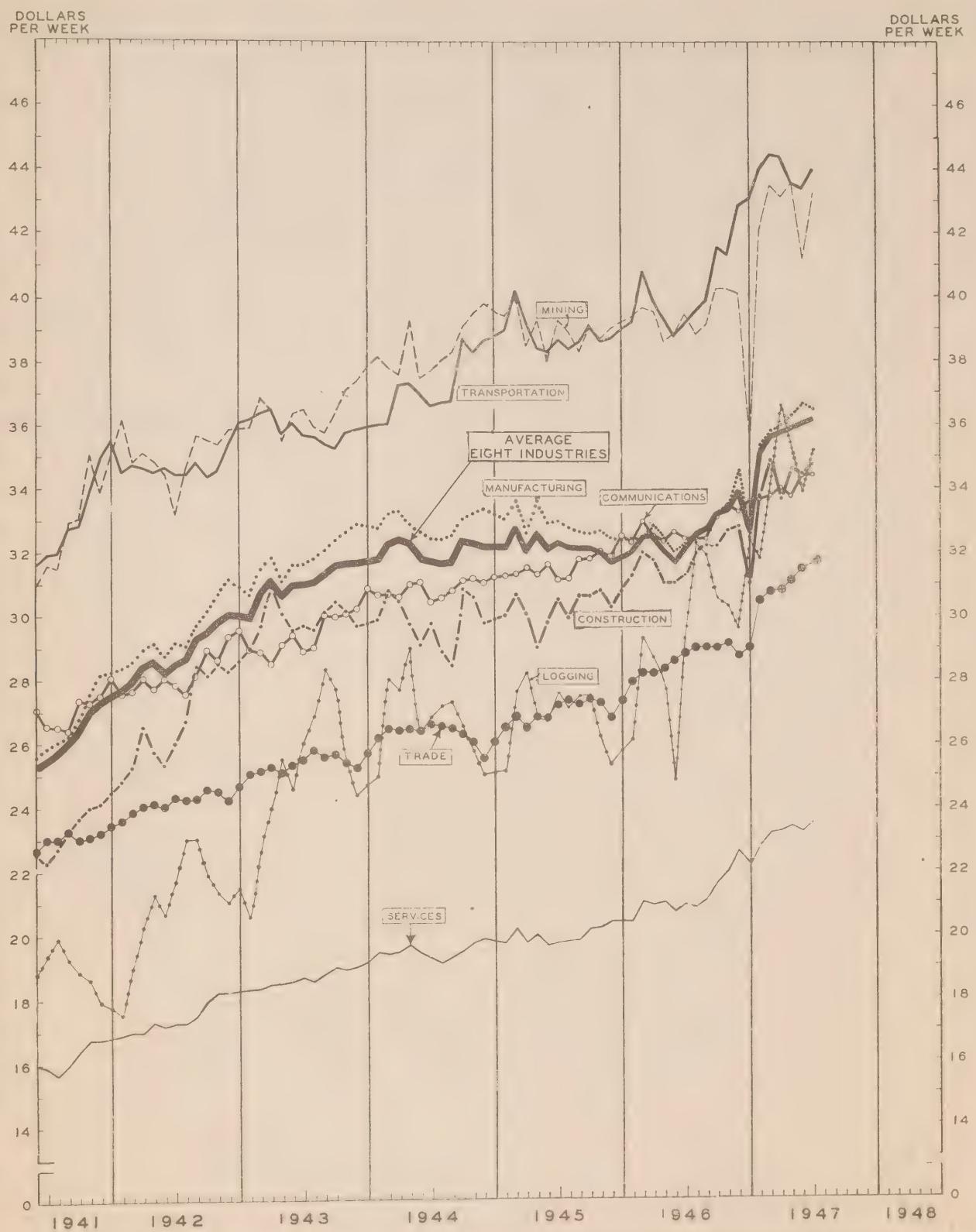


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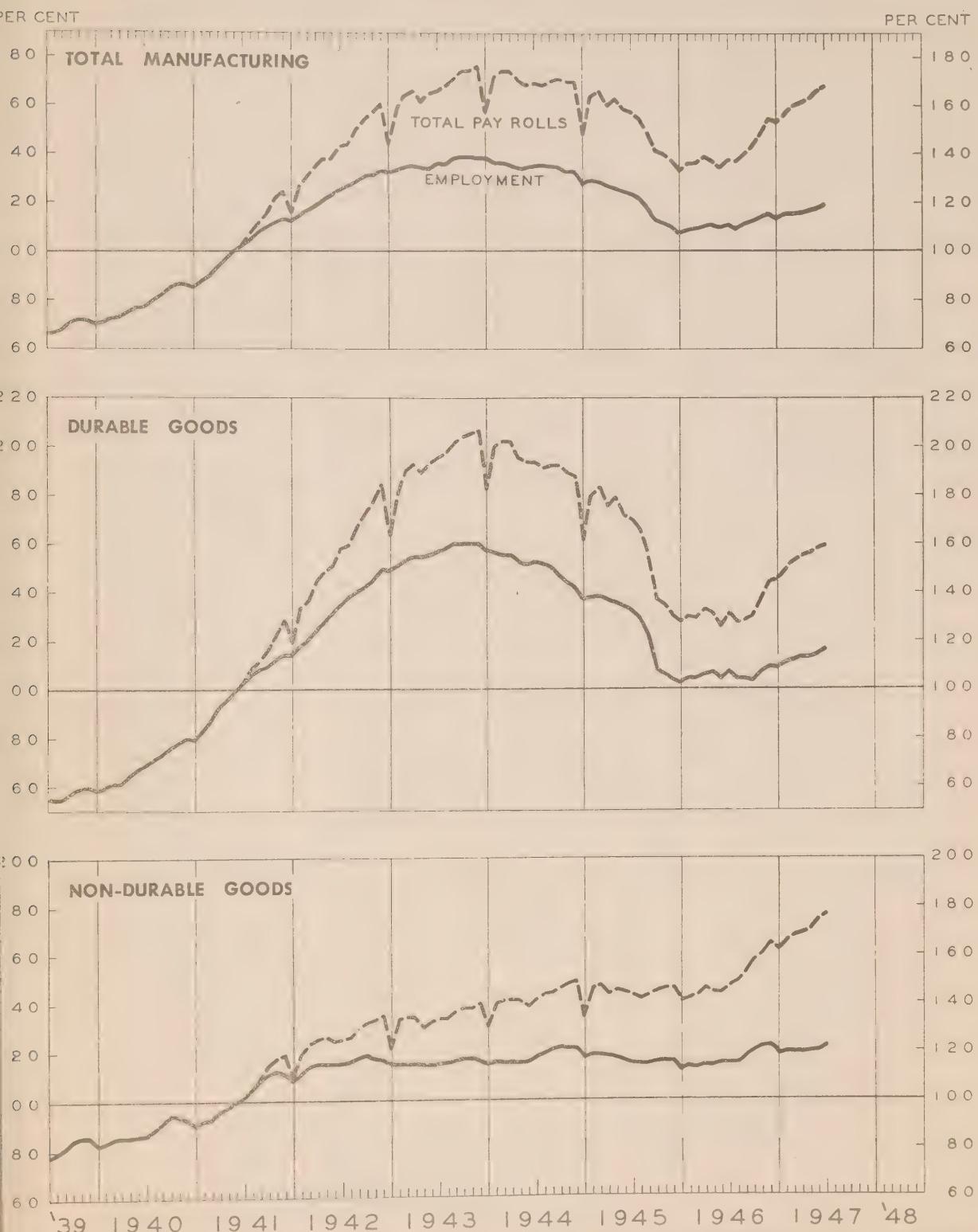
# AVERAGE PER CAPITA WEEKLY EARNINGS EIGHT INDUSTRIES





## EMPLOYMENT AND PAY ROLLS IN MANUFACTURING

JUNE 1941=100

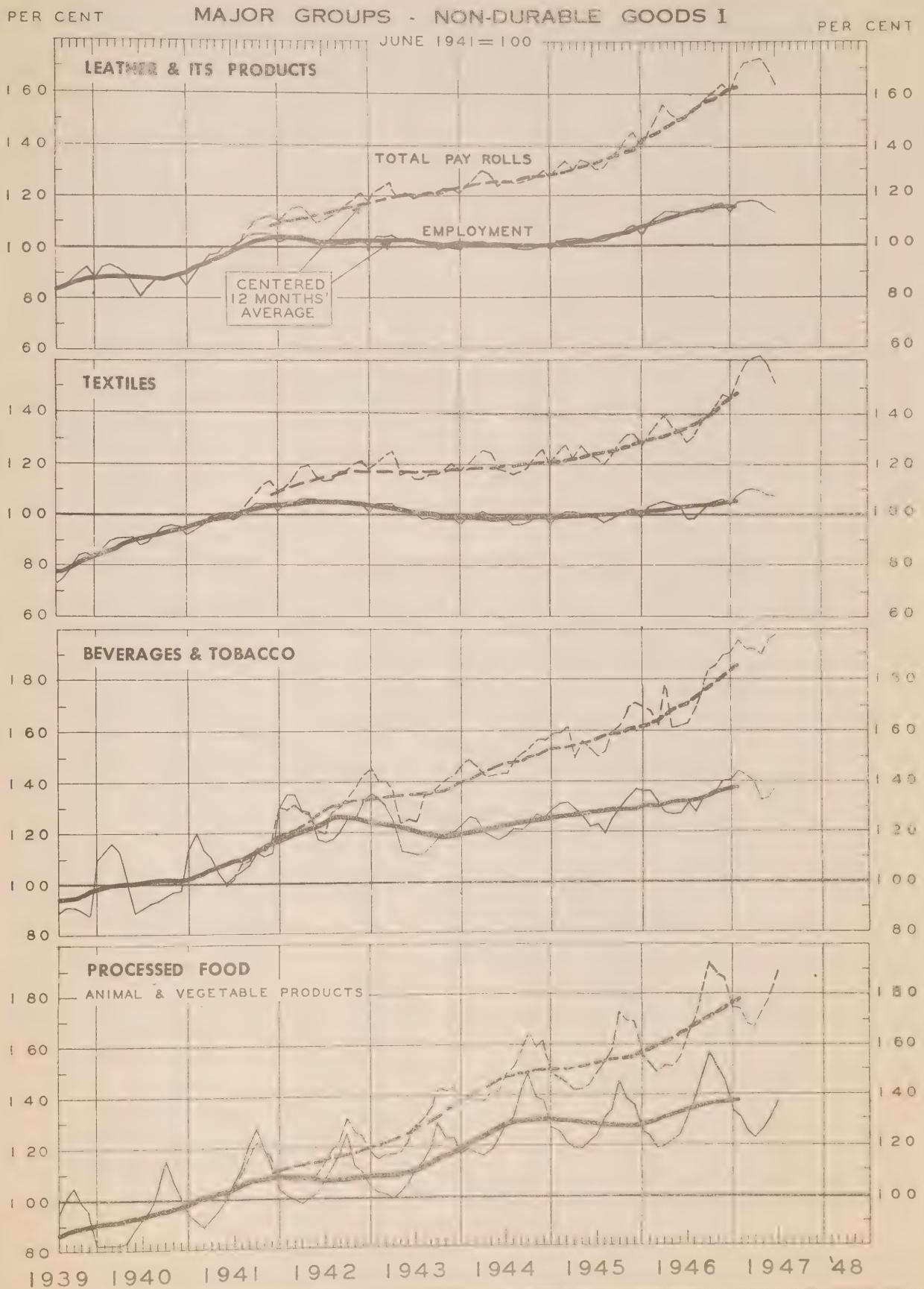


"DURABLE GOODS" INCLUDES IRON AND STEEL, NON-FERROUS METALS, ELECTRICAL APPARATUS, LUMBER AND CLAY, GLASS AND STONE PRODUCTS. THE REMAINDER "NON-DURABLE GOODS" INCLUDES TEXTILES, FOOD BEVERAGES, TOBACCO, RUBBER, LEATHER, CHEMICALS AND FUELS.



CHART NO. 12

## EMPLOYMENT AND PAY ROLLS IN MANUFACTURING

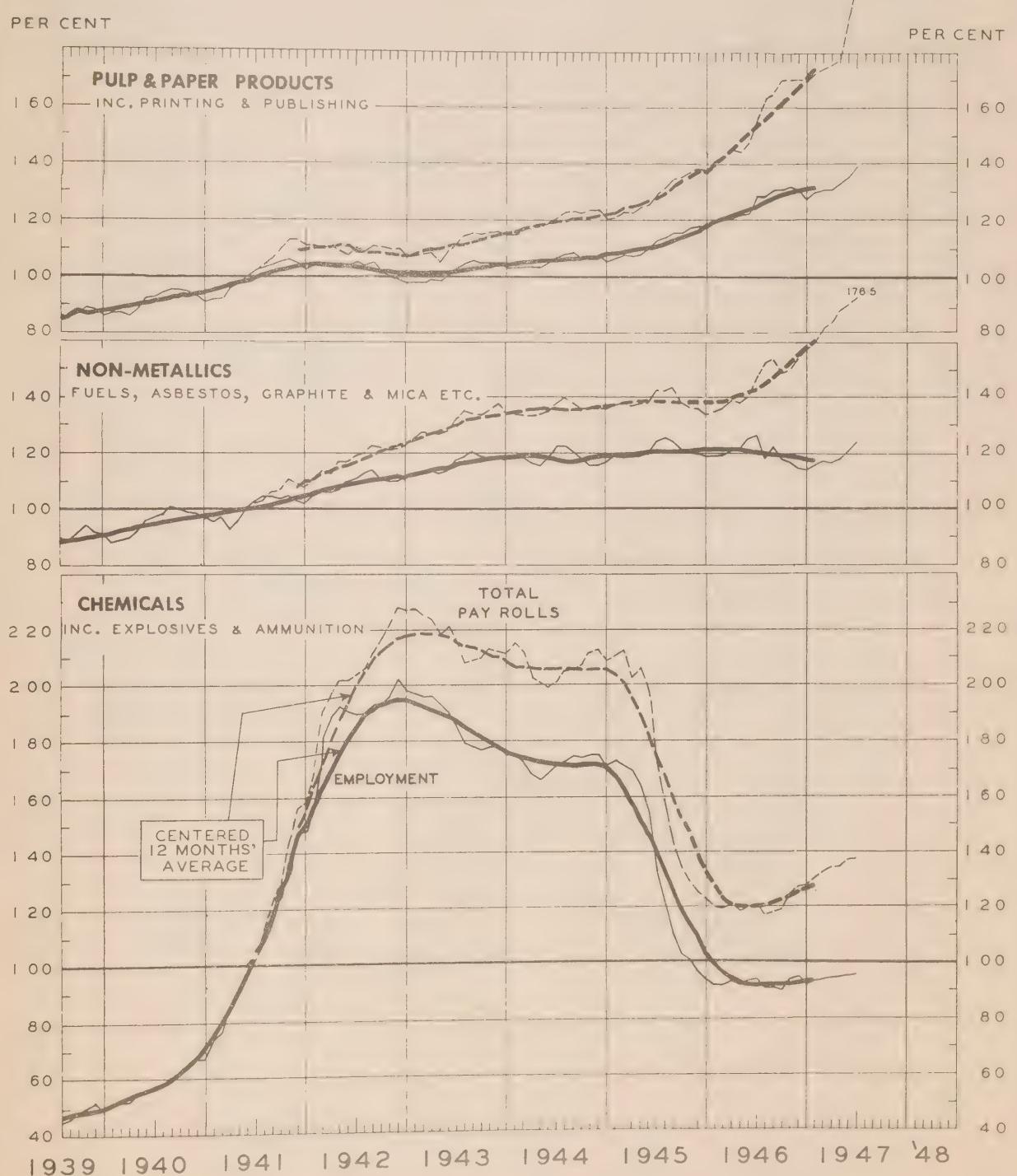




# EMPLOYMENT AND PAY ROLLS IN MANUFACTURING

## MAJOR GROUPS - NON-DURABLE GOODS II

JUNE 1941 = 100





## EMPLOYMENT AND PAY ROLLS IN MANUFACTURING

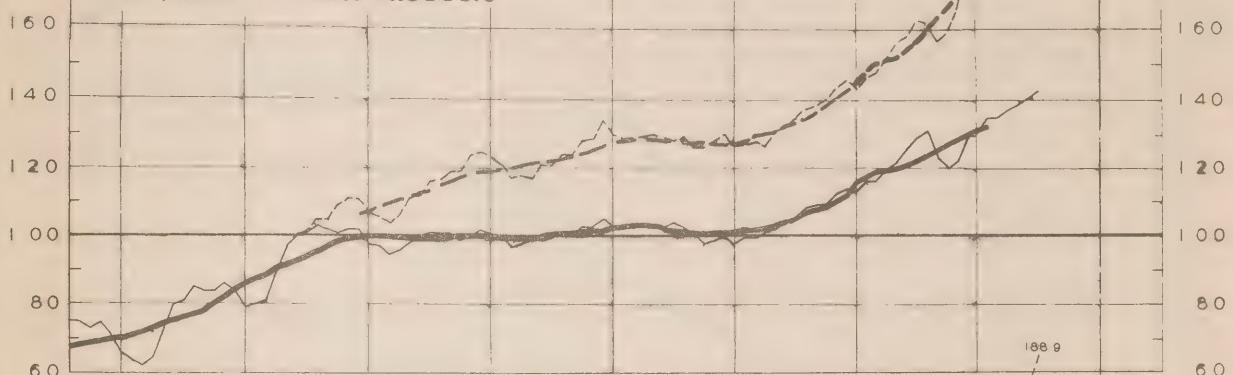
## MAJOR GROUPS - DURABLE GOODS II

JUNE 1941 = 100

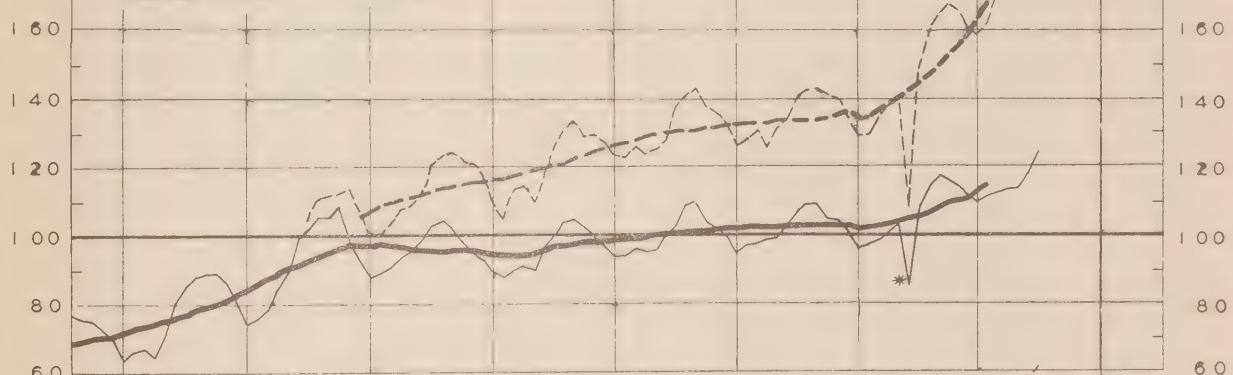
PER CENT

PER CENT

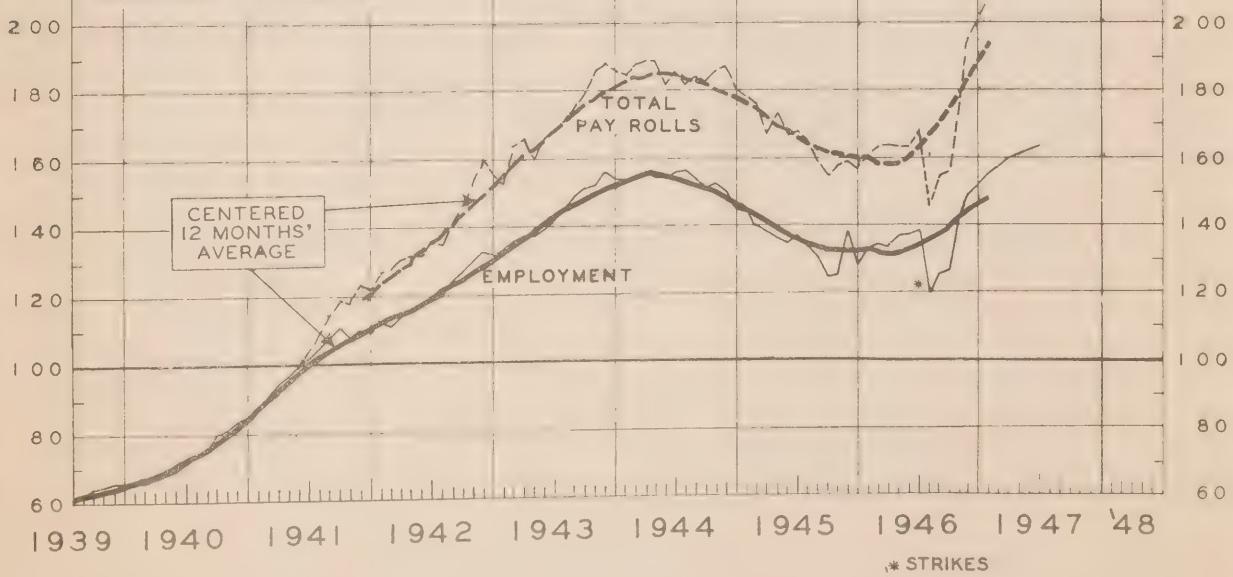
## CLAY, GLASS &amp; STONE PRODUCTS



## LUMBER AND ITS PRODUCTS



## ELECTRICAL APPARATUS





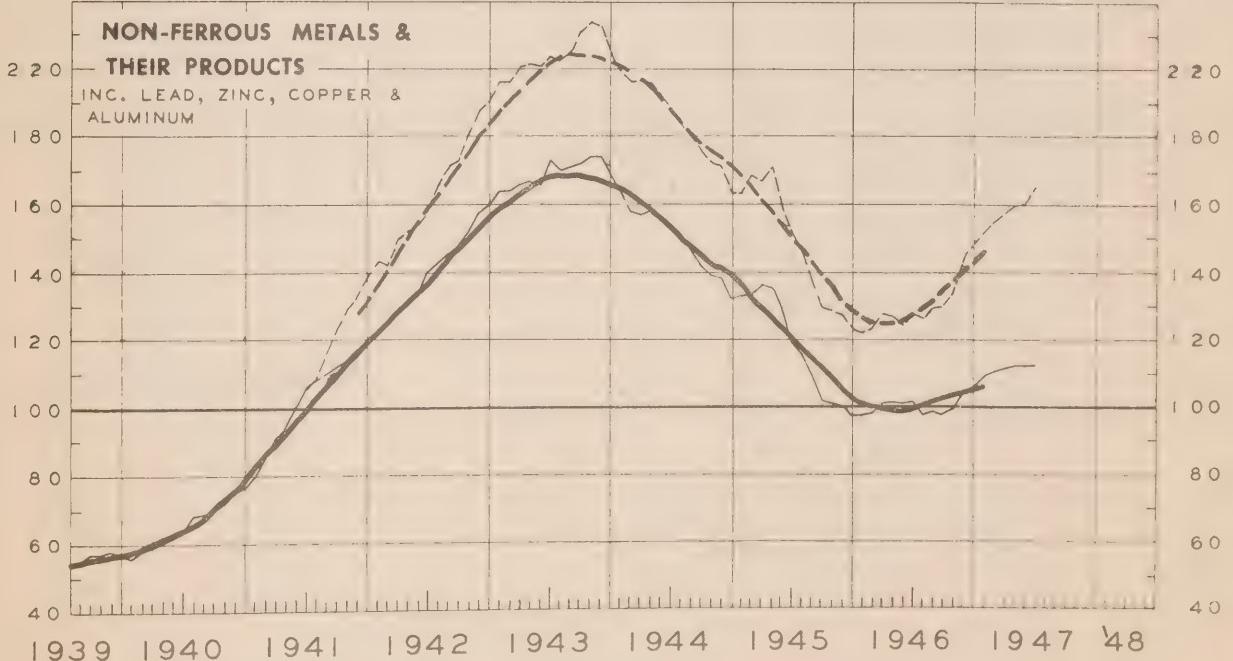
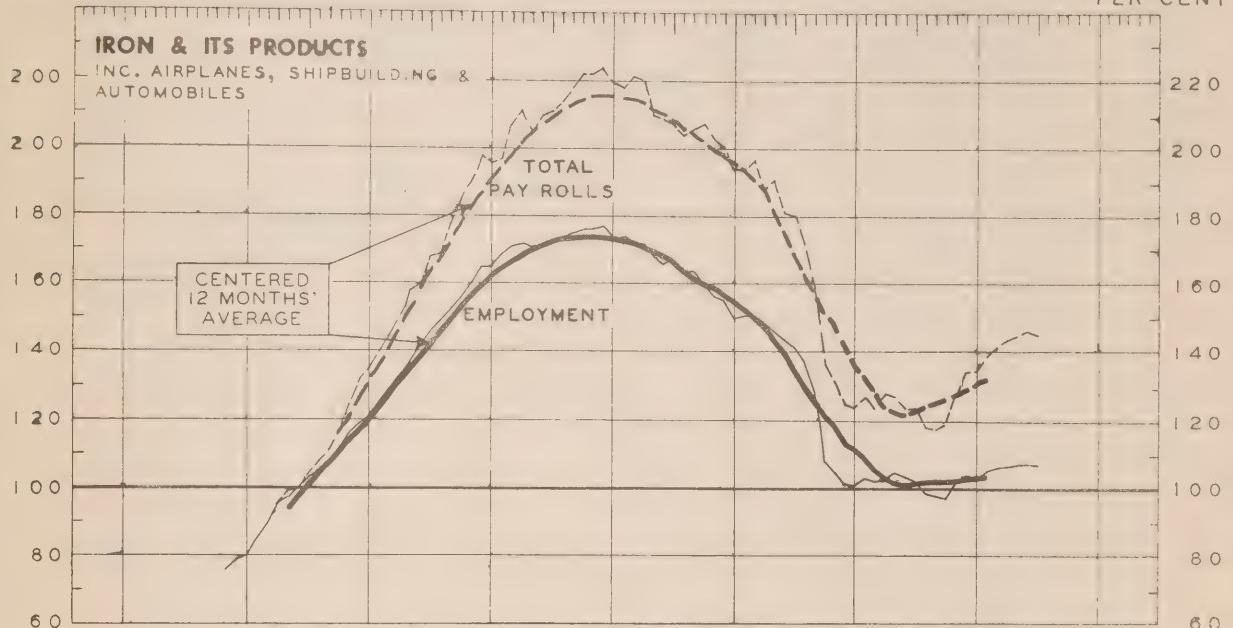
## EMPLOYMENT AND PAY ROLLS IN MANUFACTURING

## MAJOR GROUPS - DURABLE GOODS I

JUNE 1941 = 100

PER CENT

PER CENT

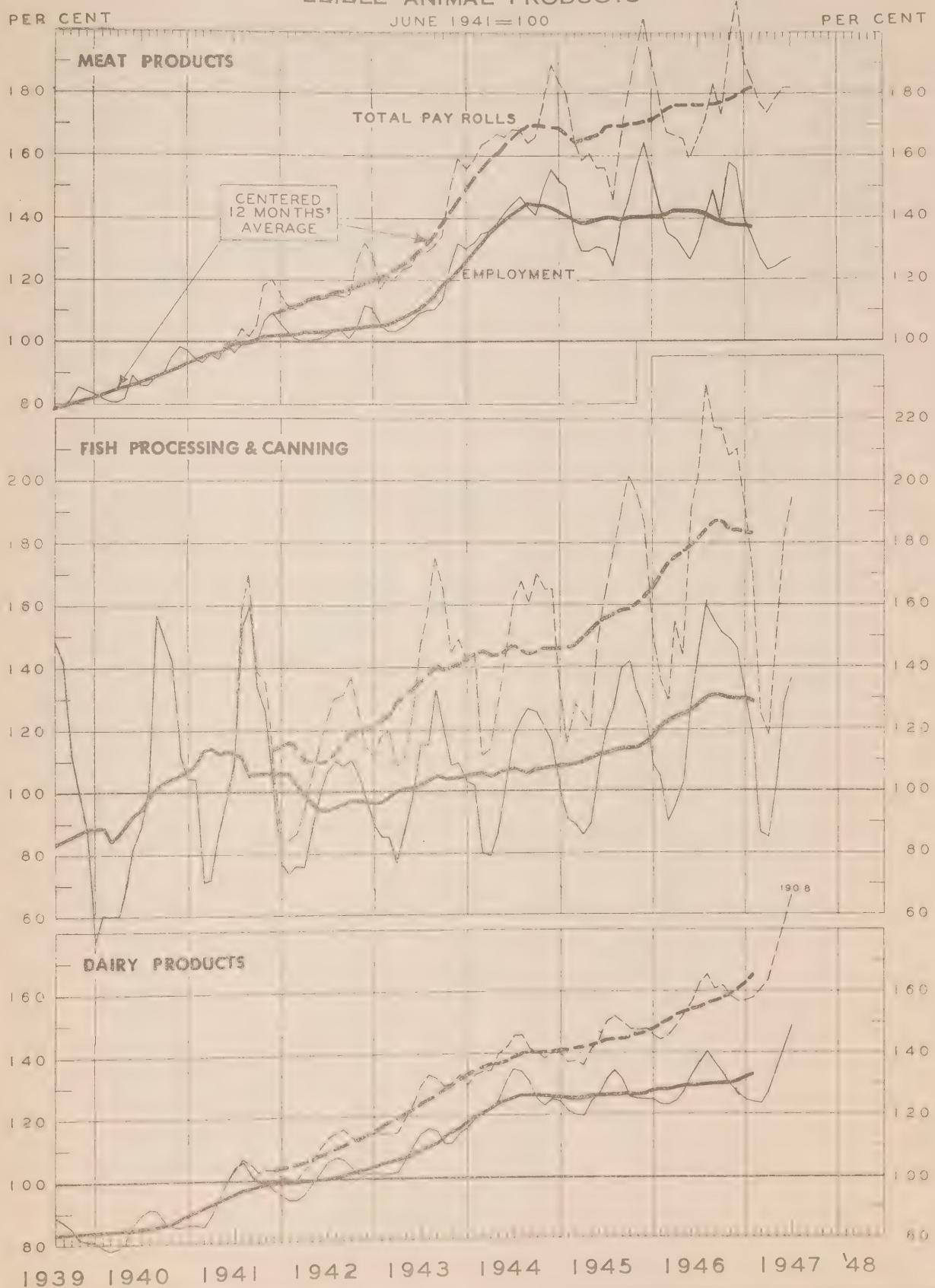


1939 1940 1941 1942 1943 1944 1945 1946 1947 '48



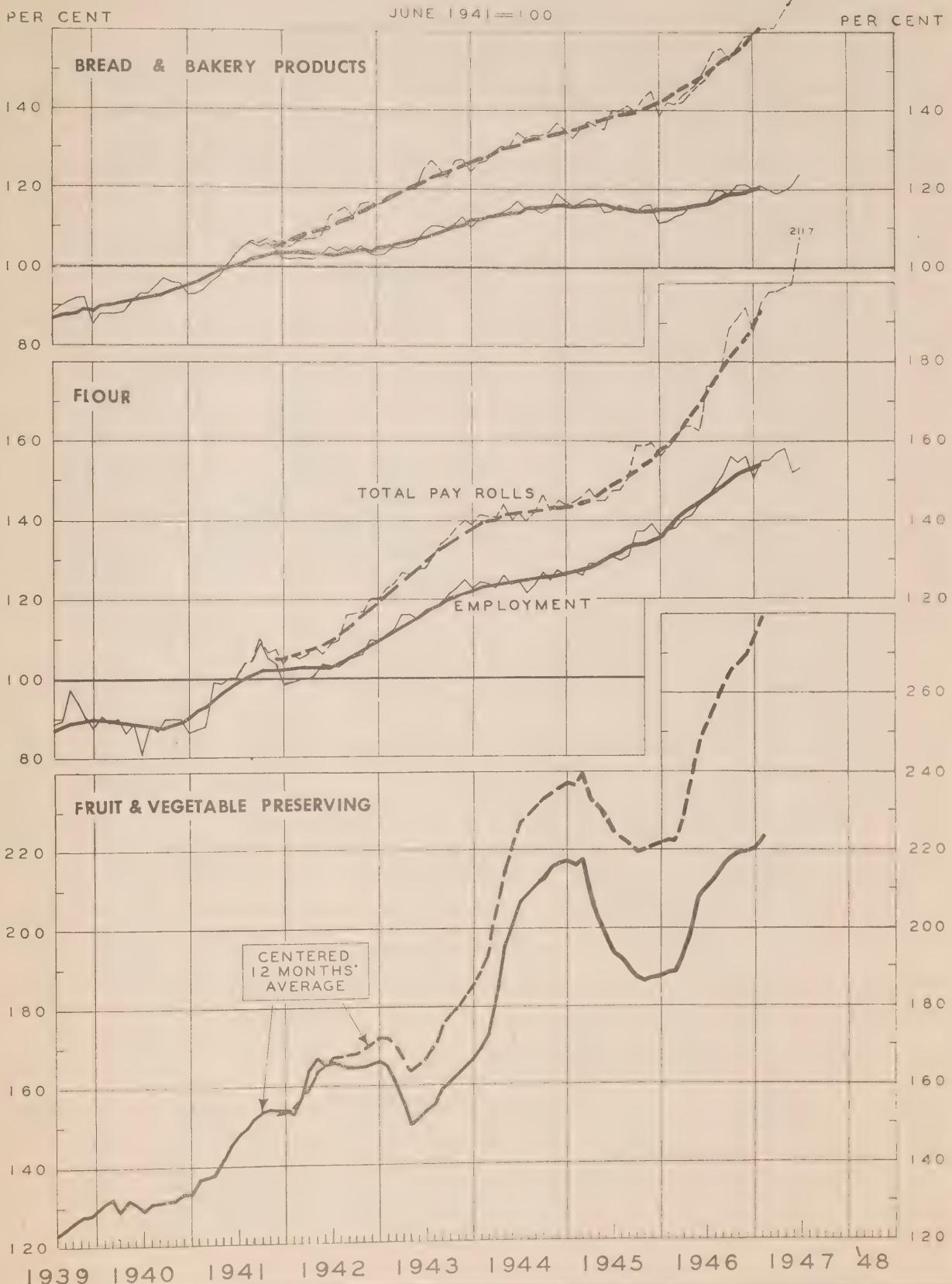
## EMPLOYMENT AND PAY ROLLS IN MANUFACTURING

## EDIBLE ANIMAL PRODUCTS





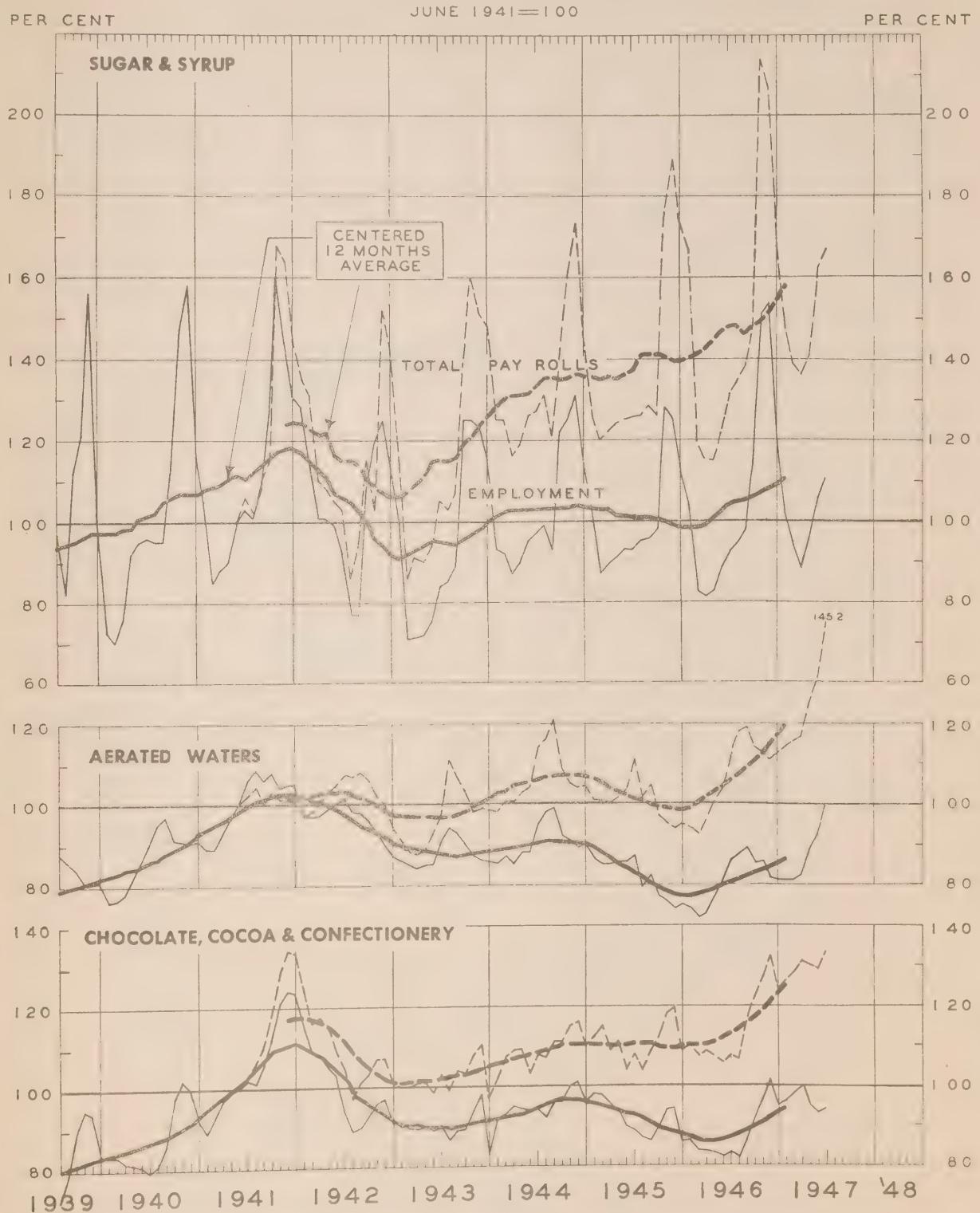
**EMPLOYMENT AND PAY ROLLS IN MANUFACTURING**  
**EDIBLE PLANT PRODUCTS**





# EMPLOYMENT AND PAY ROLLS IN MANUFACTURING

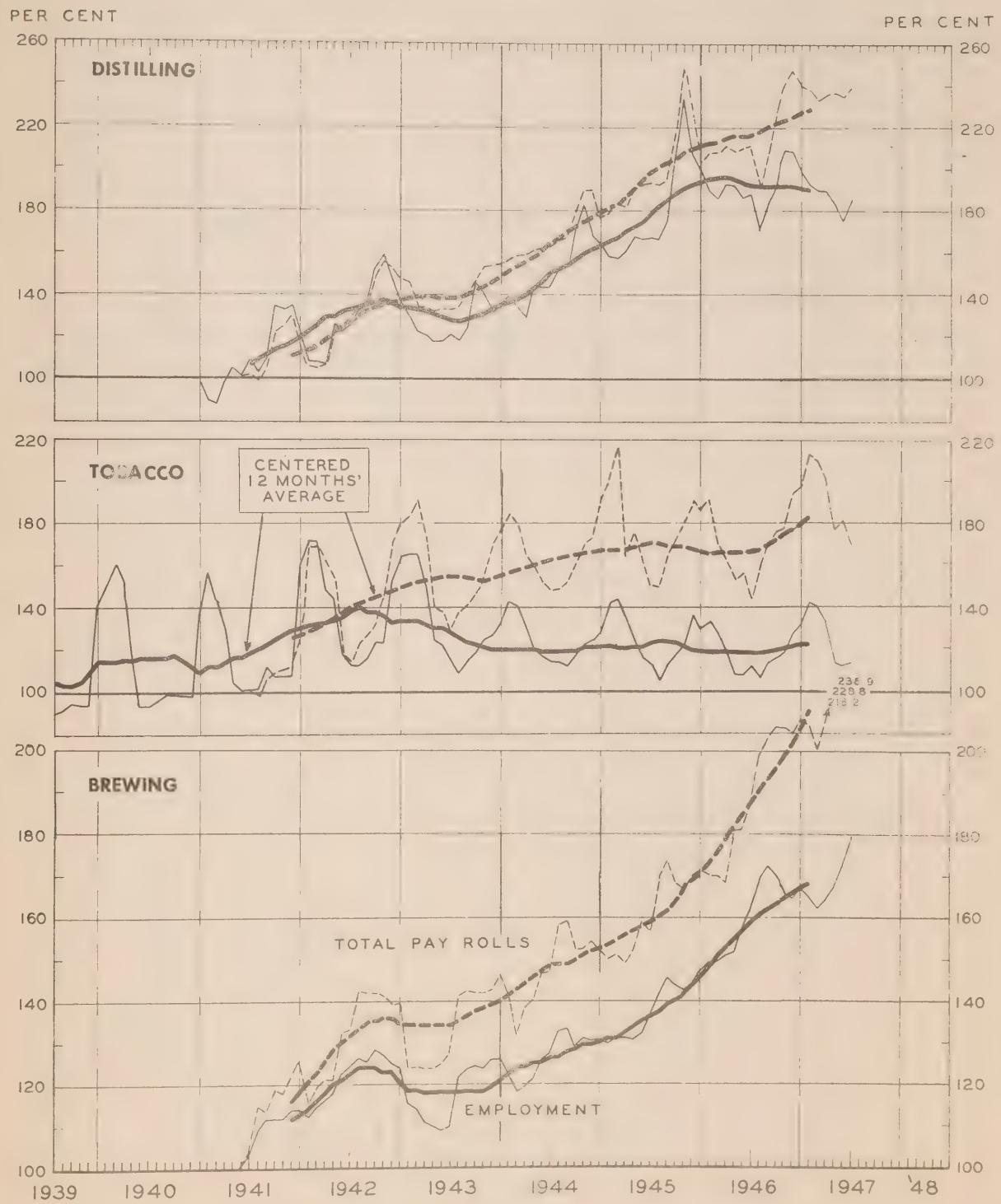
## CONFECTIONERY





**EMPLOYMENT AND PAY ROLLS IN MANUFACTURING**  
**BEVERAGES & TOBACCO**

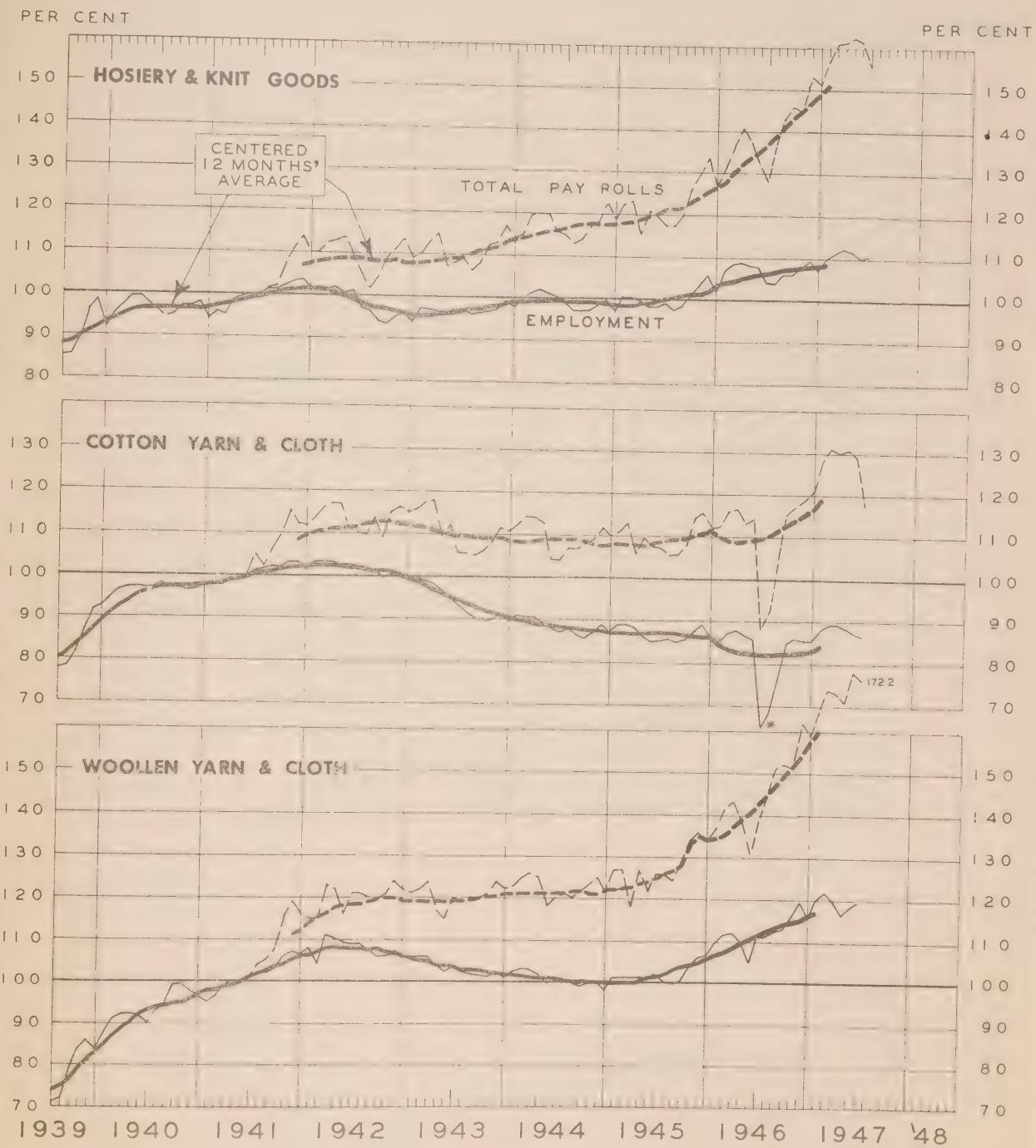
JUNE 1941 = 100





**EMPLOYMENT AND PAY ROLLS IN MANUFACTURING  
TEXTILES**

JUNE 1941=100



\* STRIKE



CHART NO. 21

## EMPLOYMENT AND PAY ROLLS IN MANUFACTURING

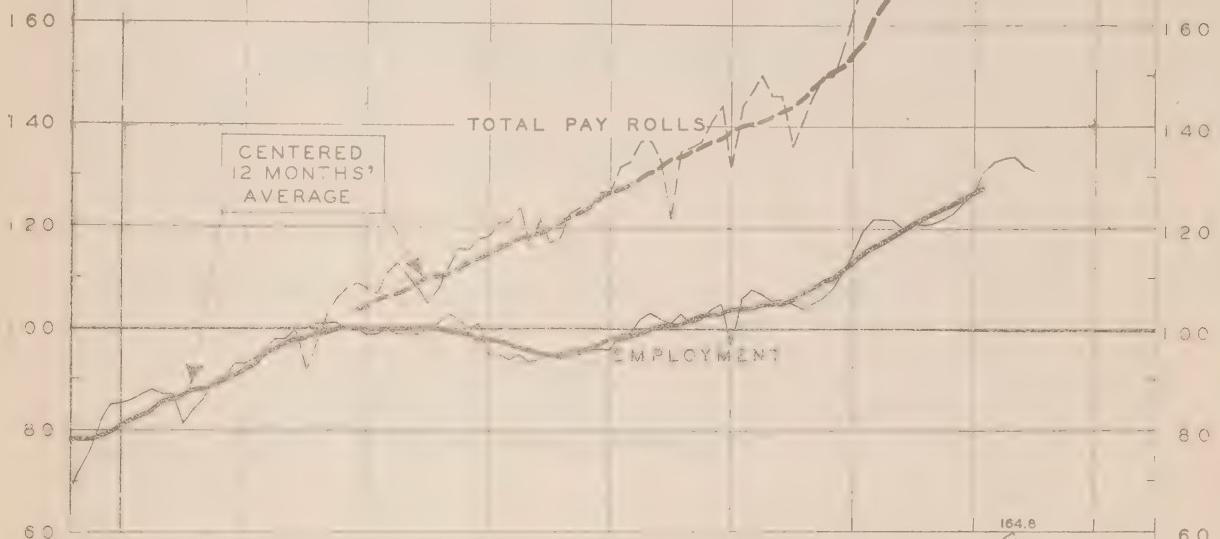
## TEXTILES

JUNE 1941 = 100

PER CENT

PER CENT

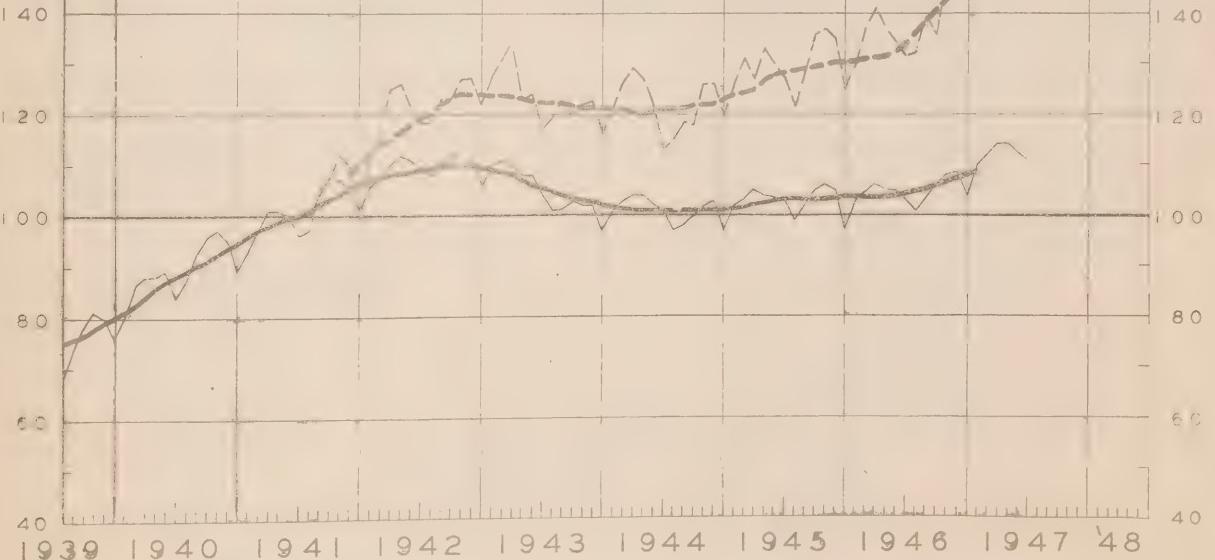
## SILK &amp; ARTIFICIAL SILK

CENTERED  
12 MONTHS'  
AVERAGE

TOTAL PAY ROLLS

EMPLOYMENT

## GARMENTS &amp; FURNISHINGS



164.8

154.6

1939 1940 1941 1942 1943 1944 1945 1946 1947 '48



# EMPLOYMENT AND PAY ROLLS IN MANUFACTURING

## LEATHER

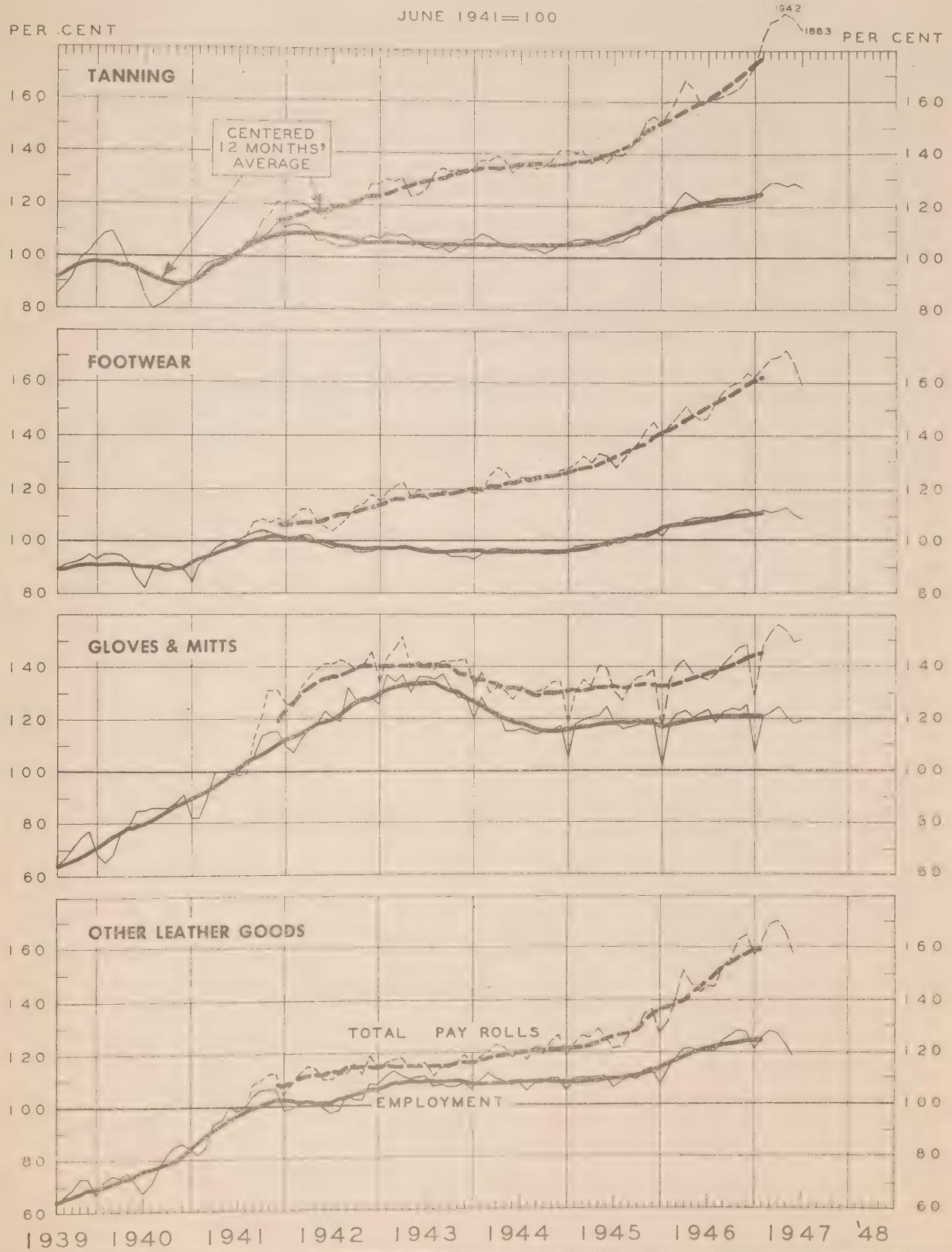




CHART NO. 23

# EMPLOYMENT AND PAY ROLLS IN MANUFACTURING FUR AND RUBBER

JUNE 1941 = 100

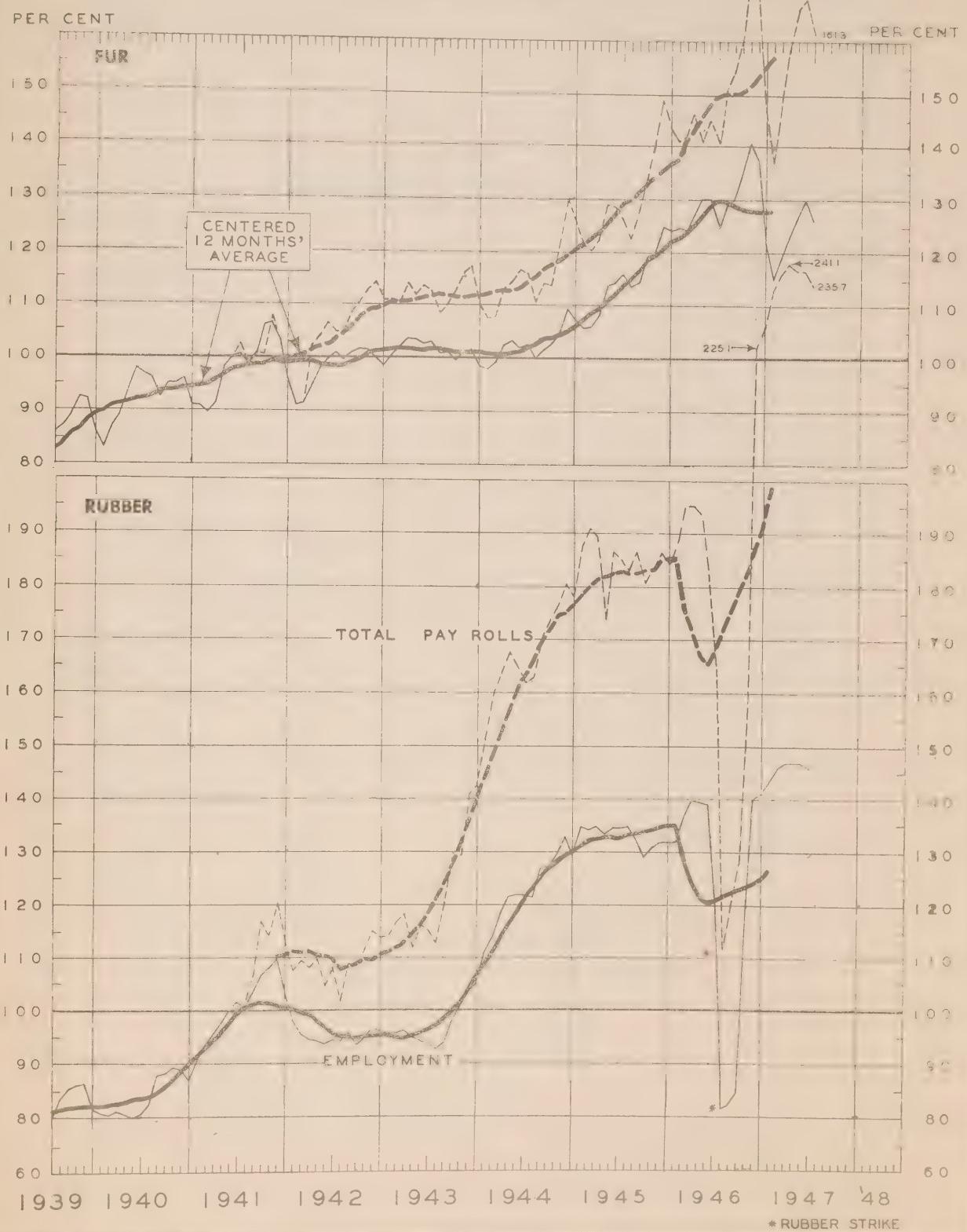
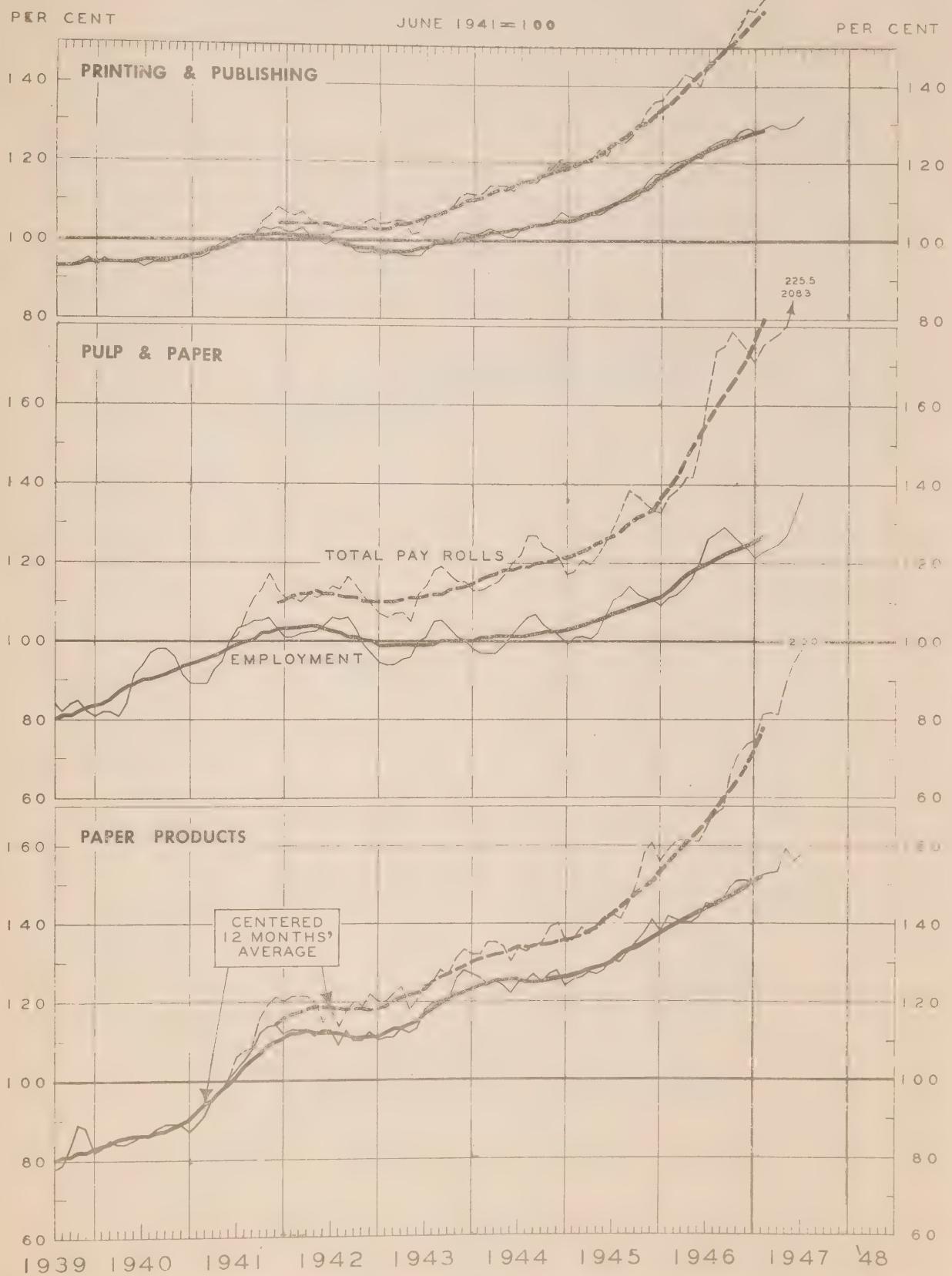




CHART NO 24

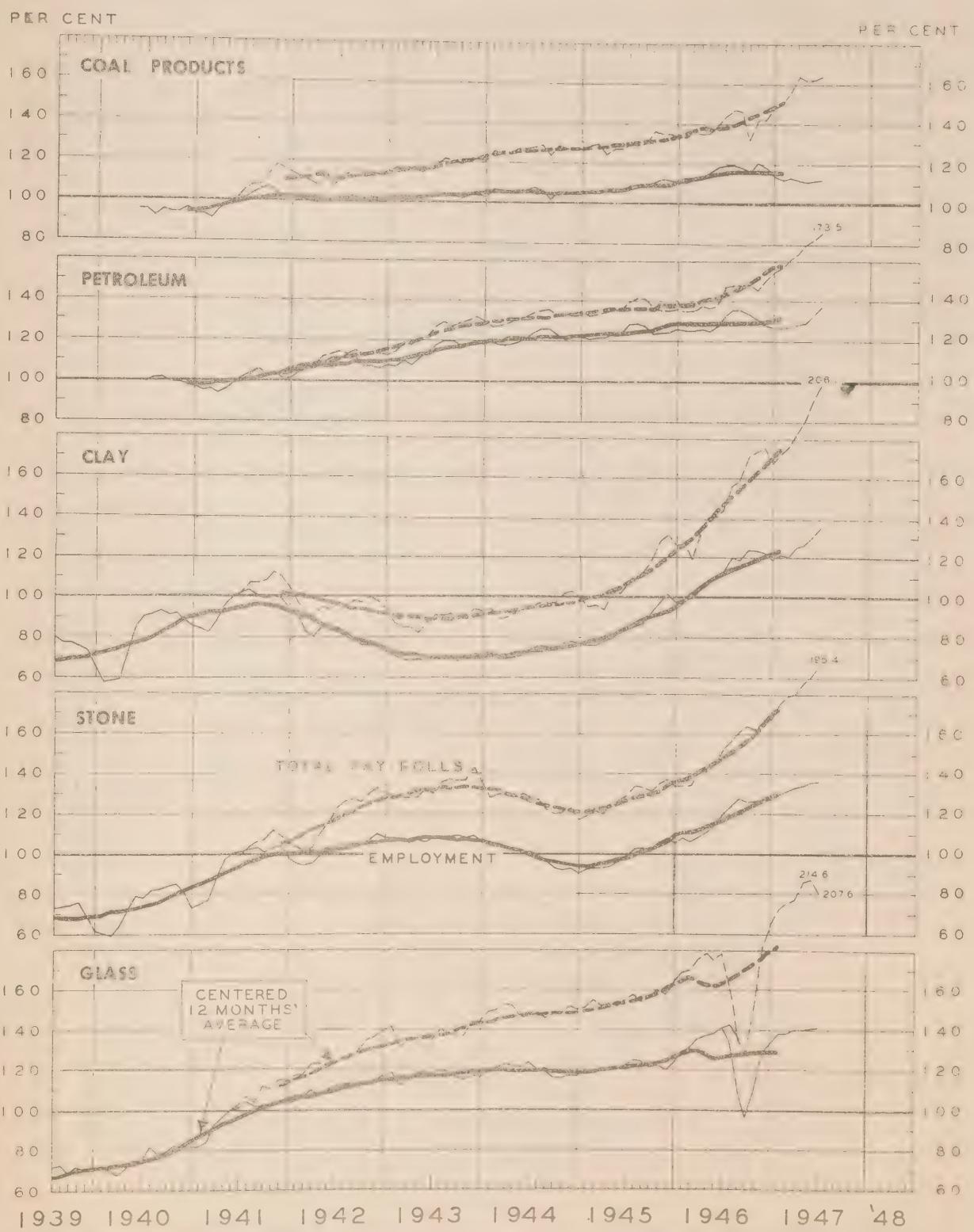
# EMPLOYMENT AND PAY ROLLS IN MANUFACTURING PAPER





# EMPLOYMENT AND PAY ROLLS IN MANUFACTURING NON-METALLIC MINERALS

JUNE 1941 = 100



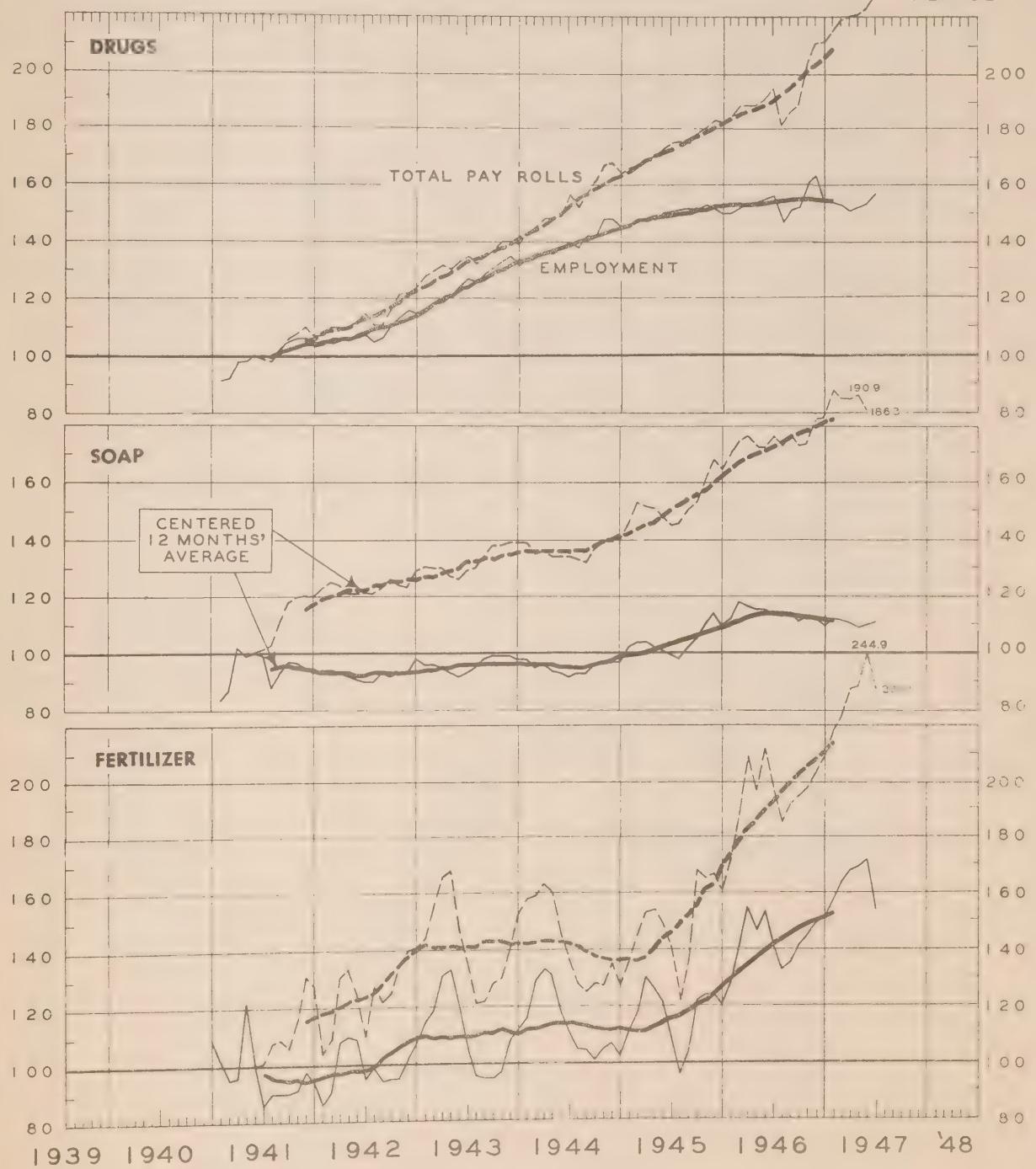


**EMPLOYMENT AND PAY ROLLS IN MANUFACTURING**  
**CHEMICALS I**

JUNE 1941 = 100

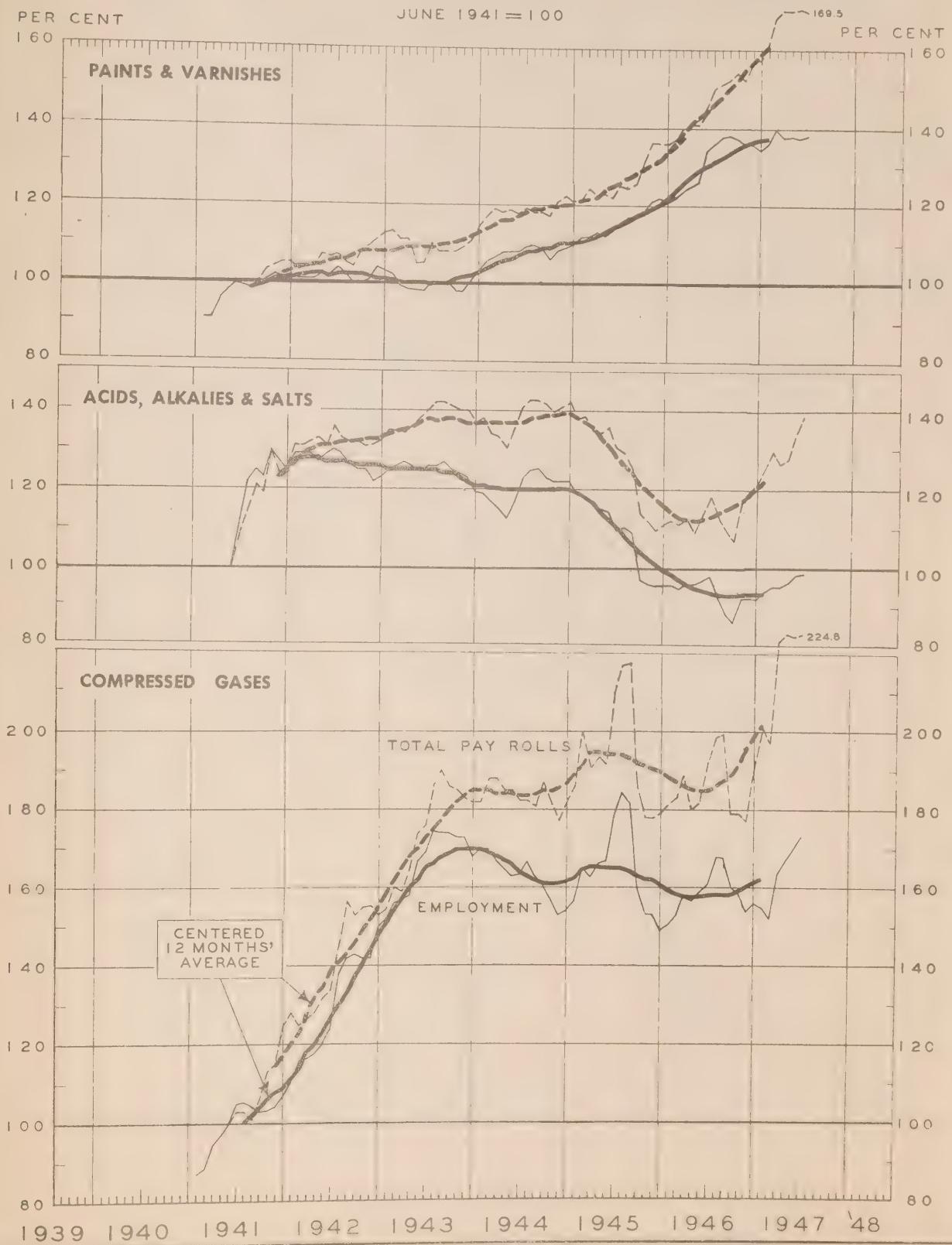
PER CENT

PER CENT





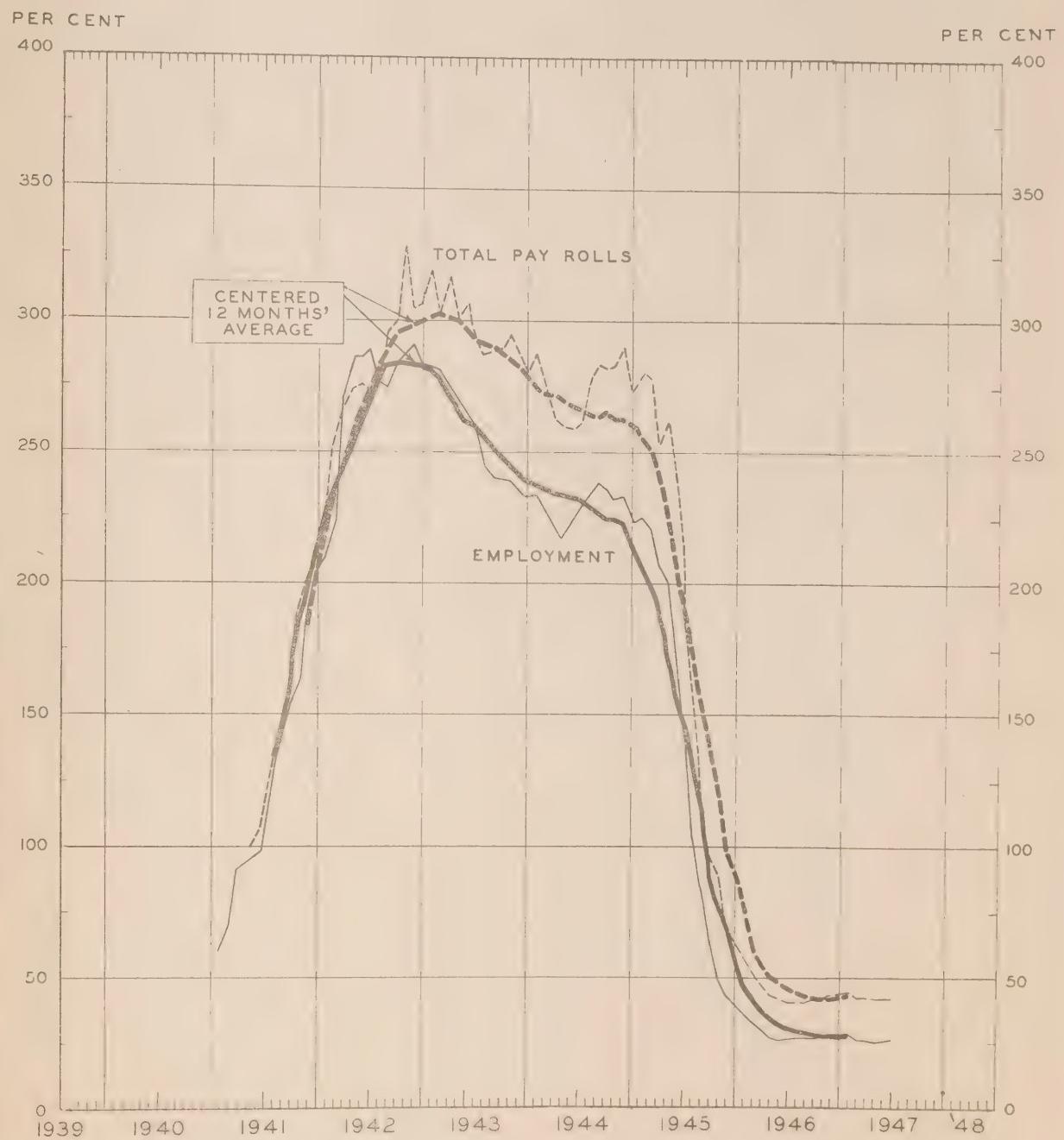
# EMPLOYMENT AND PAY ROLLS IN MANUFACTURING CHEMICALS □





# EMPLOYMENT AND PAY ROLLS IN MANUFACTURING EXPLOSIVES

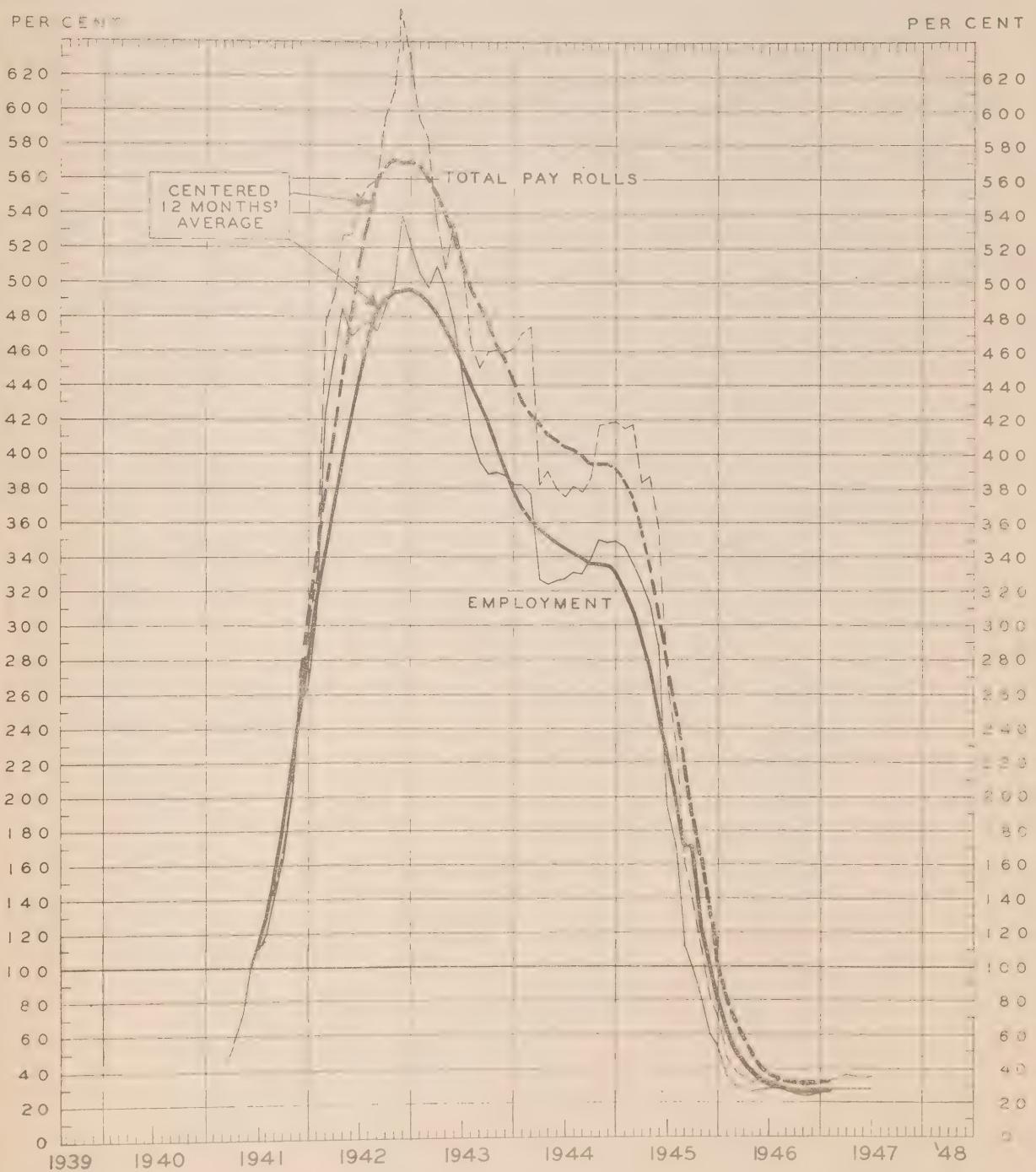
JUNE 1941 = 100





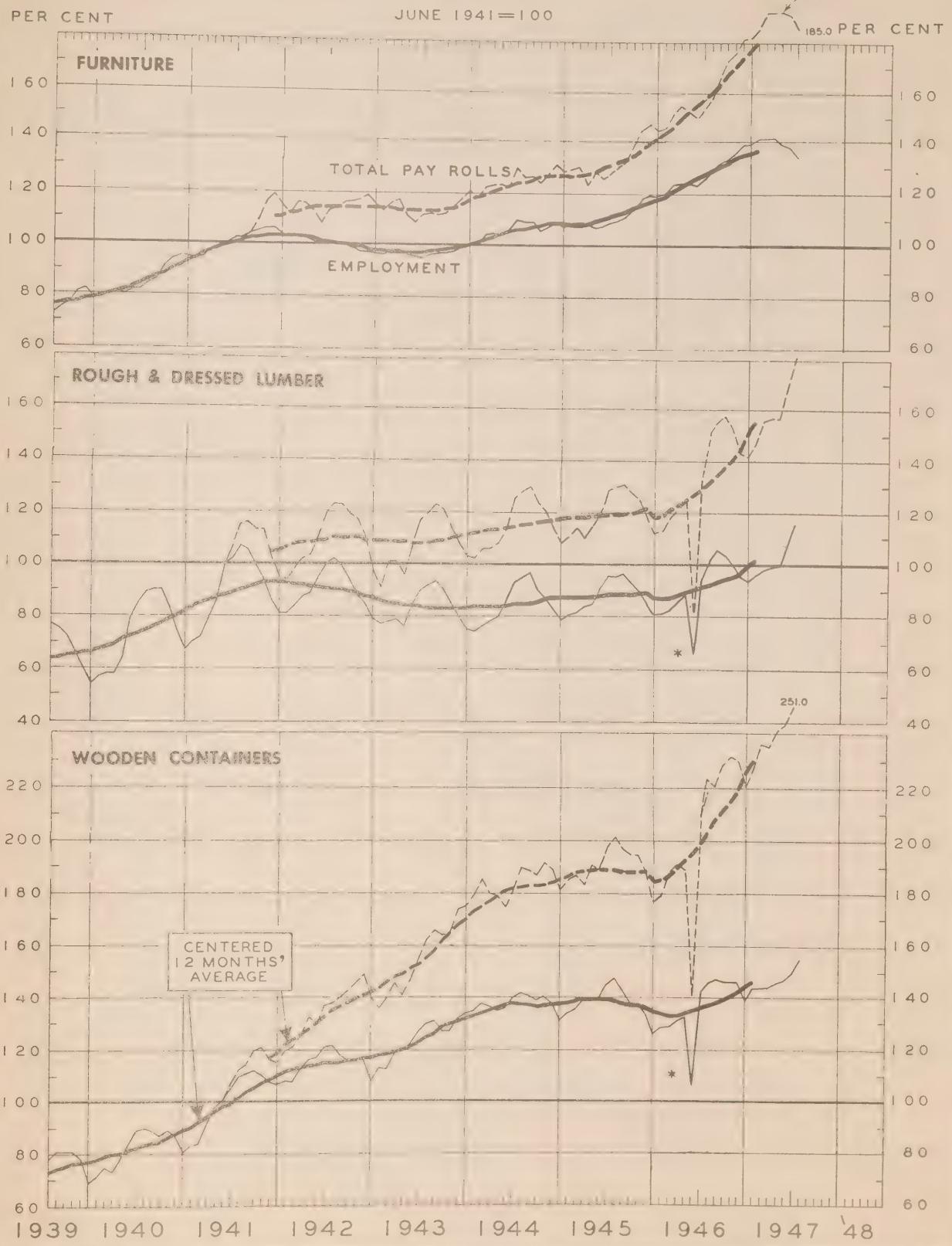
# EMPLOYMENT AND PAY ROLLS IN MANUFACTURING AMMUNITION

JUNE 1941 = 100





# EMPLOYMENT AND PAY ROLLS IN MANUFACTURING WOOD



\* LUMBER STRIKE IN B.C.

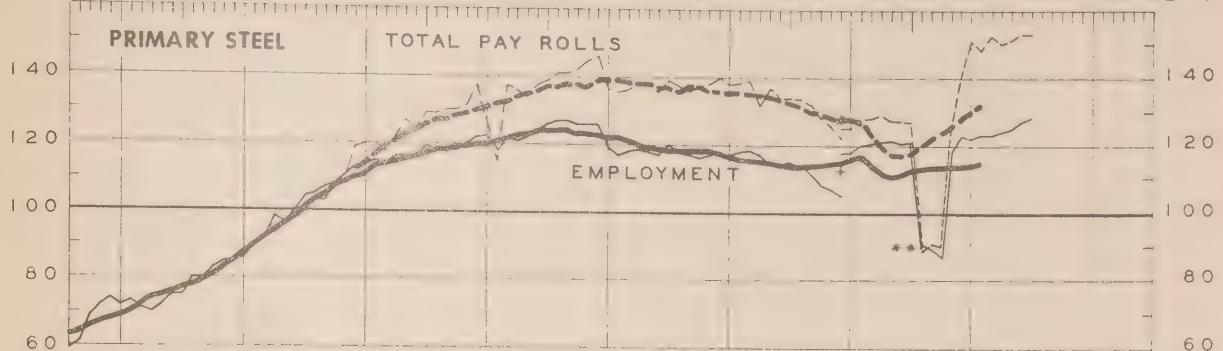
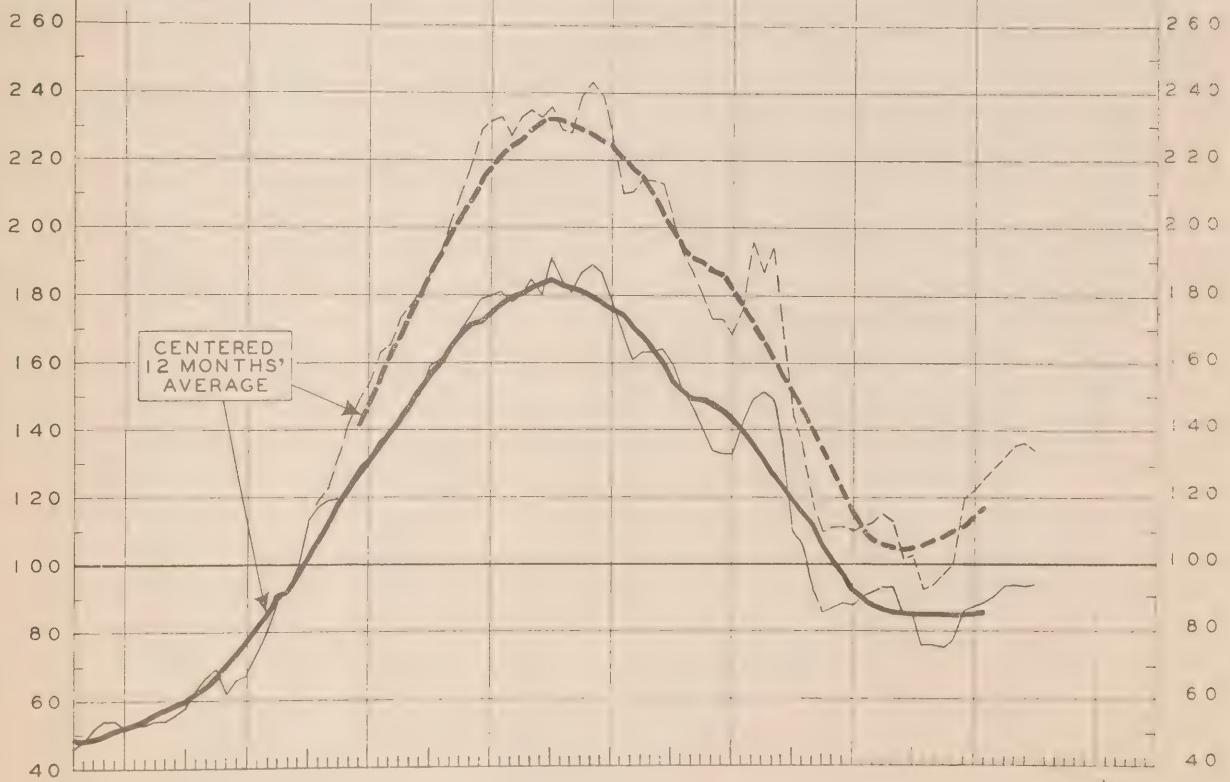


EMPLOYMENT AND PAY ROLLS IN MANUFACTURING  
PRIMARY METALS I

JUNE 1941 = 100

PER CENT

PER CENT

**LEAD, ZINC & COPPER**

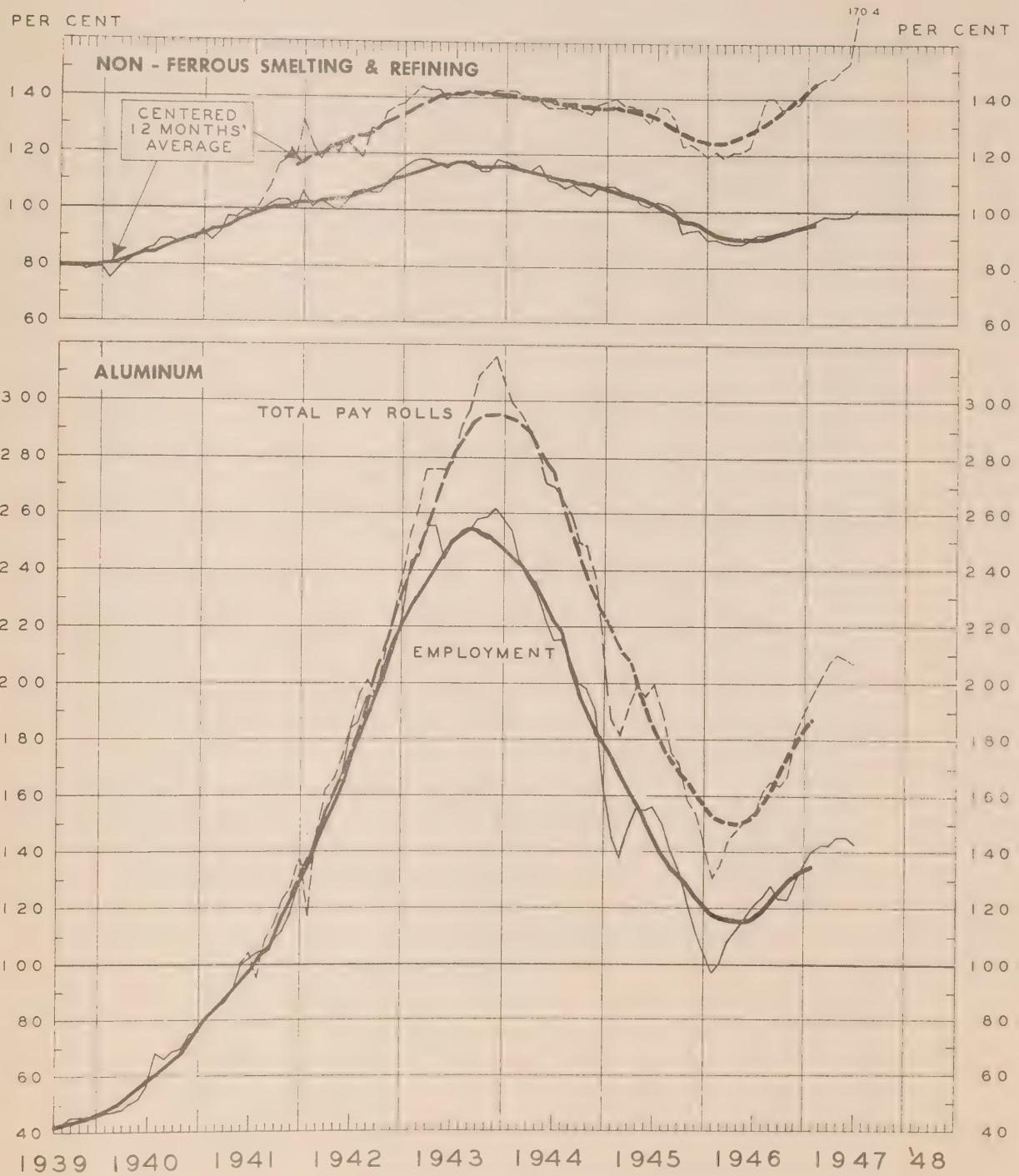
\*\*\* STEEL STRIKE

\* RECLASSIFICATION OF CERTAIN FIRMS



**EMPLOYMENT AND PAY ROLLS IN MANUFACTURING**  
**PRIMARY METALS II**

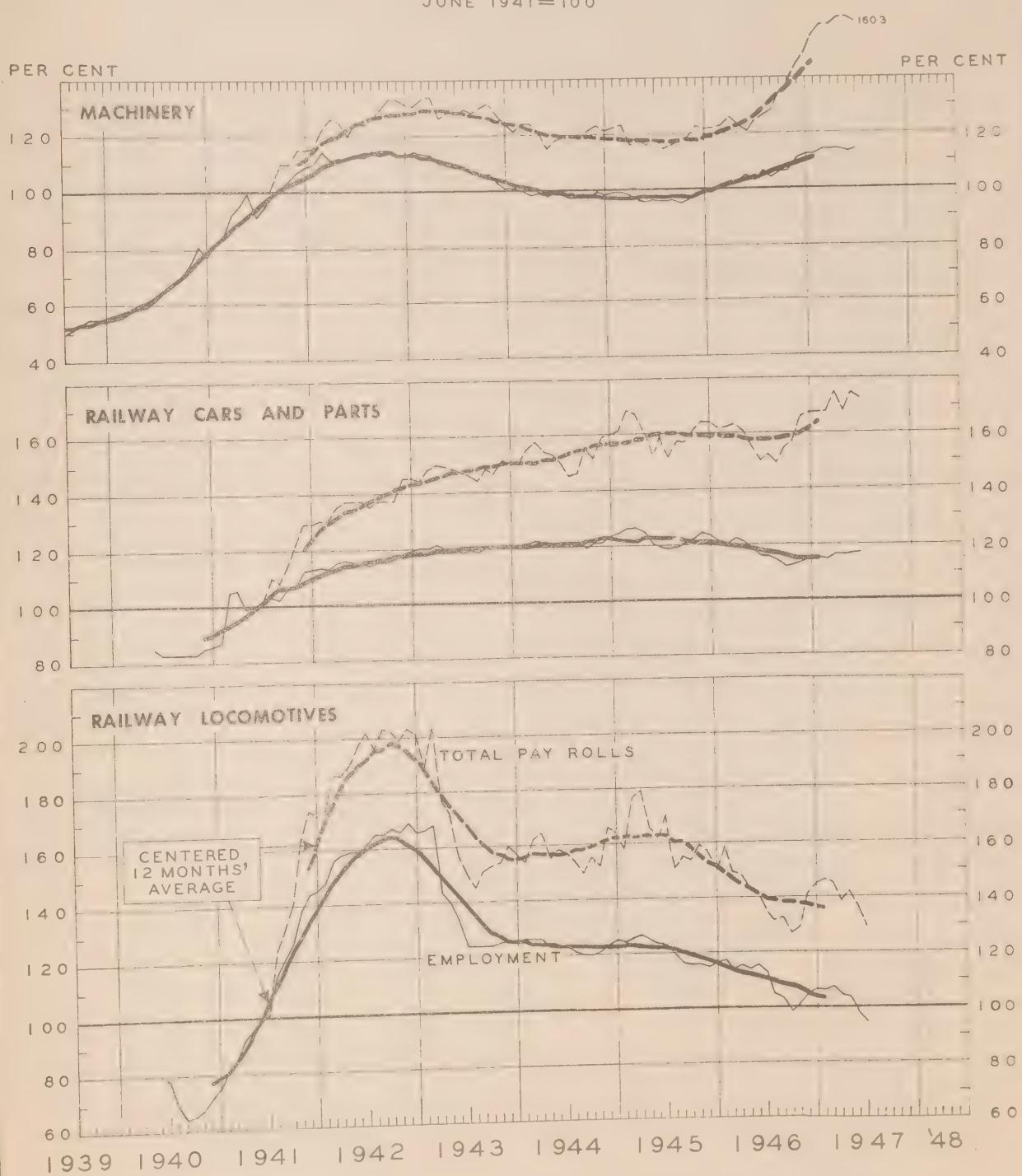
JUNE 1941 = 100





EMPLOYMENT AND PAY ROLLS IN MANUFACTURING  
IRON & STEEL I

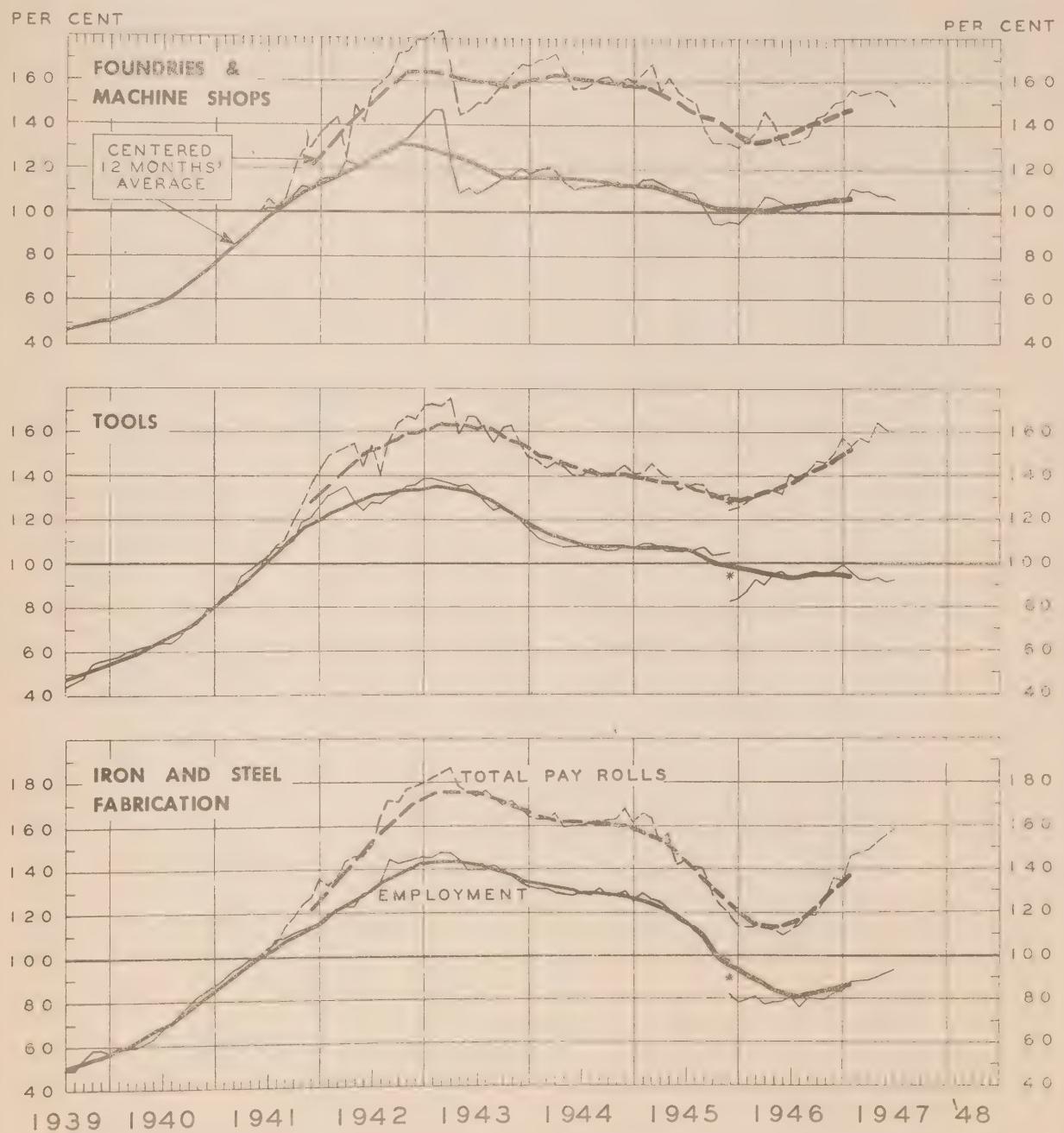
JUNE 1941 = 100





**EMPLOYMENT AND PAY ROLLS IN MANUFACTURING  
IRON & STEEL II**

JUNE 1941=100



\* RECLASSIFICATION FOR CERTAIN FIRMS

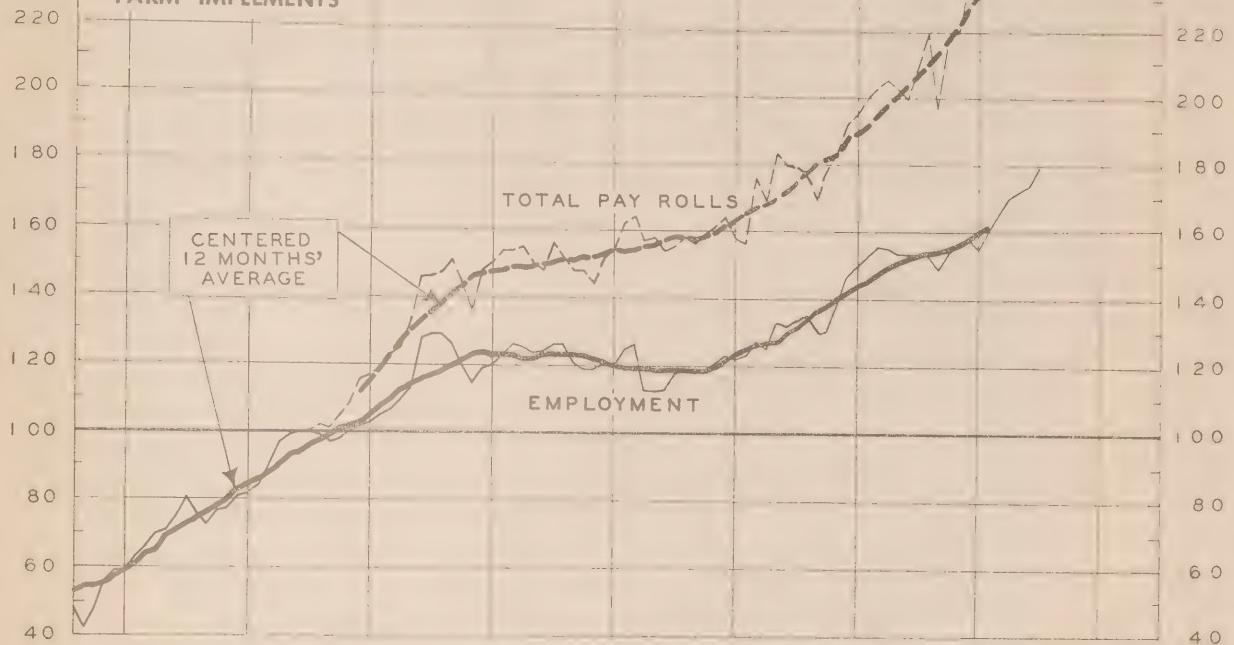
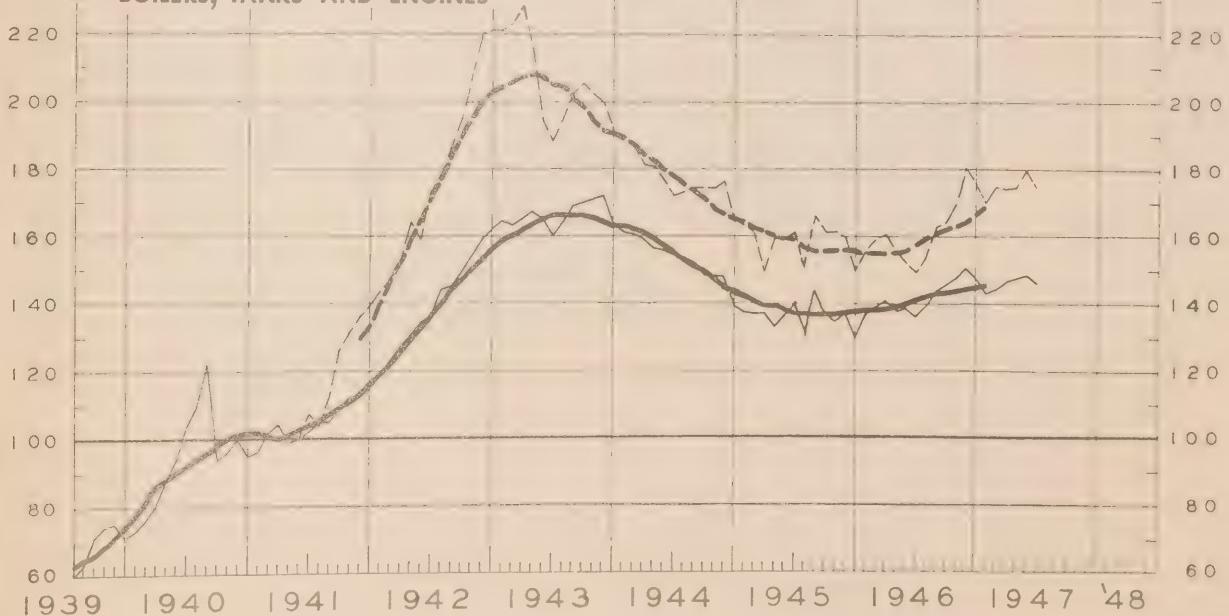


**EMPLOYMENT AND PAY ROLLS IN MANUFACTURING**  
**IRON AND STEEL III**

JUNE 1941 = 100

PER CENT

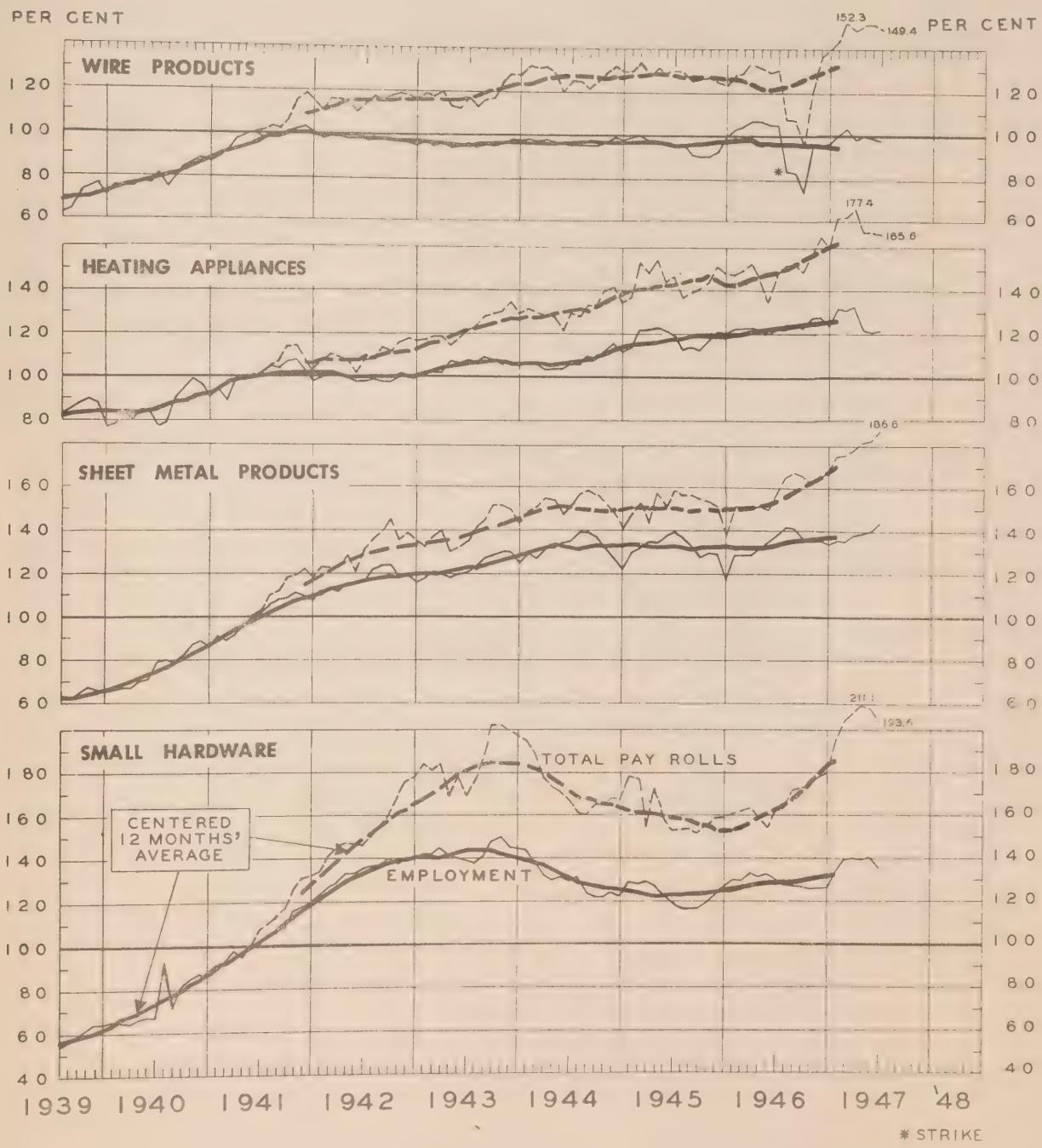
PER CENT

**FARM IMPLEMENTS****BOILERS, TANKS AND ENGINES**



**EMPLOYMENT AND PAY ROLLS IN MANUFACTURING**  
**IRON & STEEL IV**

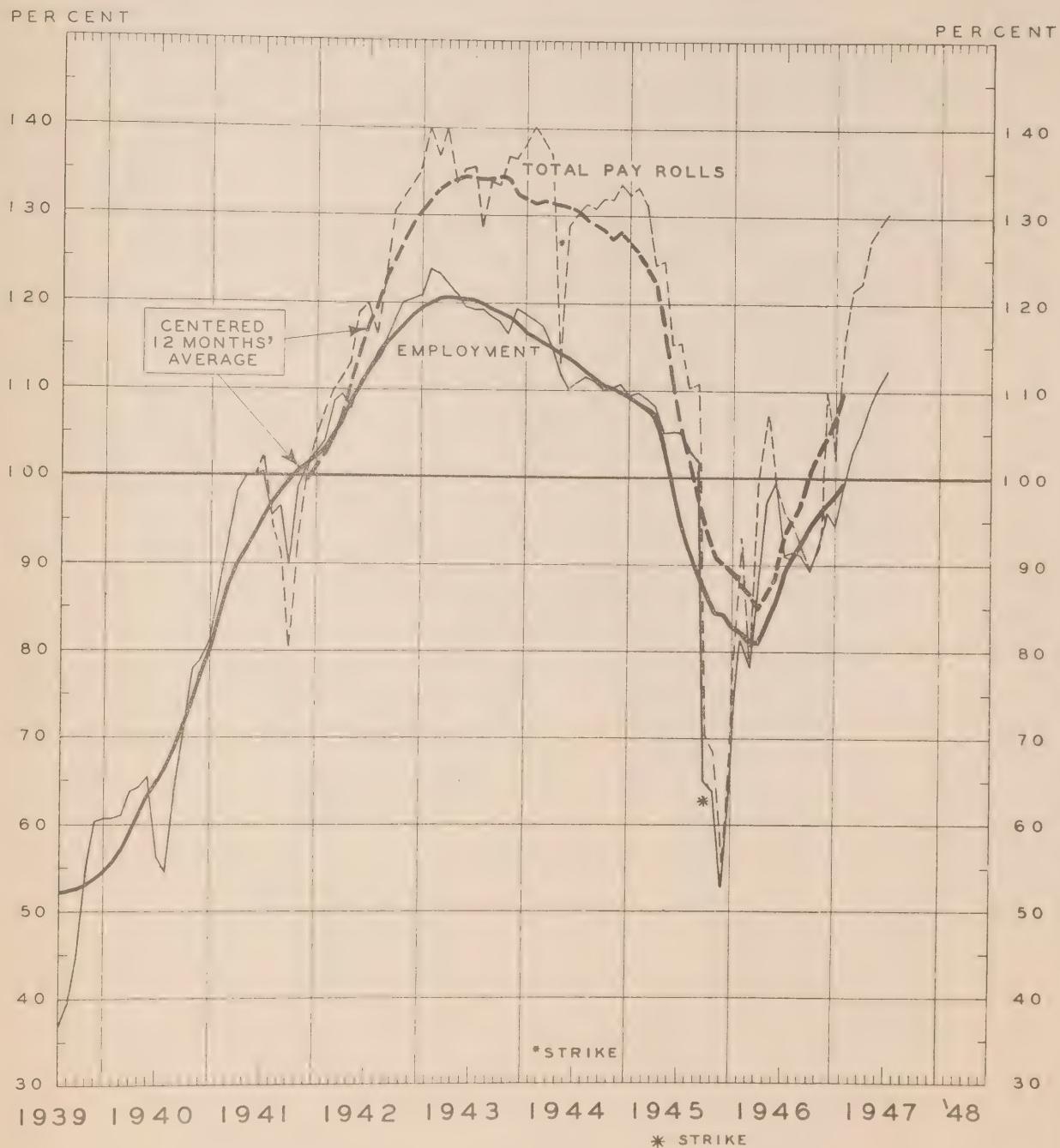
JUNE 1941=100





EMPLOYMENT AND PAY ROLLS IN MANUFACTURING  
AUTOMOBILES

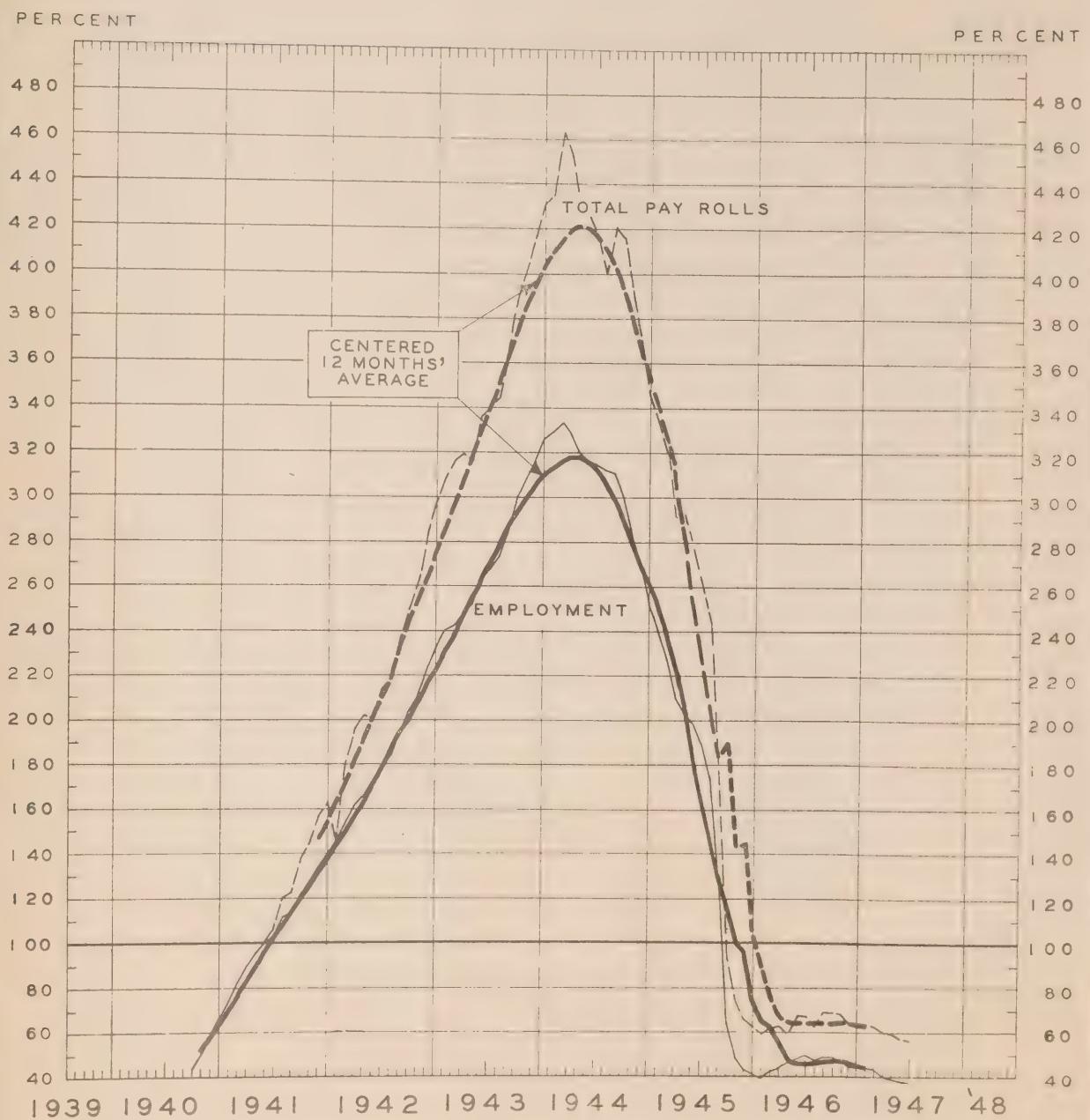
JUNE 1941 = 100





# EMPLOYMENT AND PAY ROLLS IN MANUFACTURING AIRPLANES

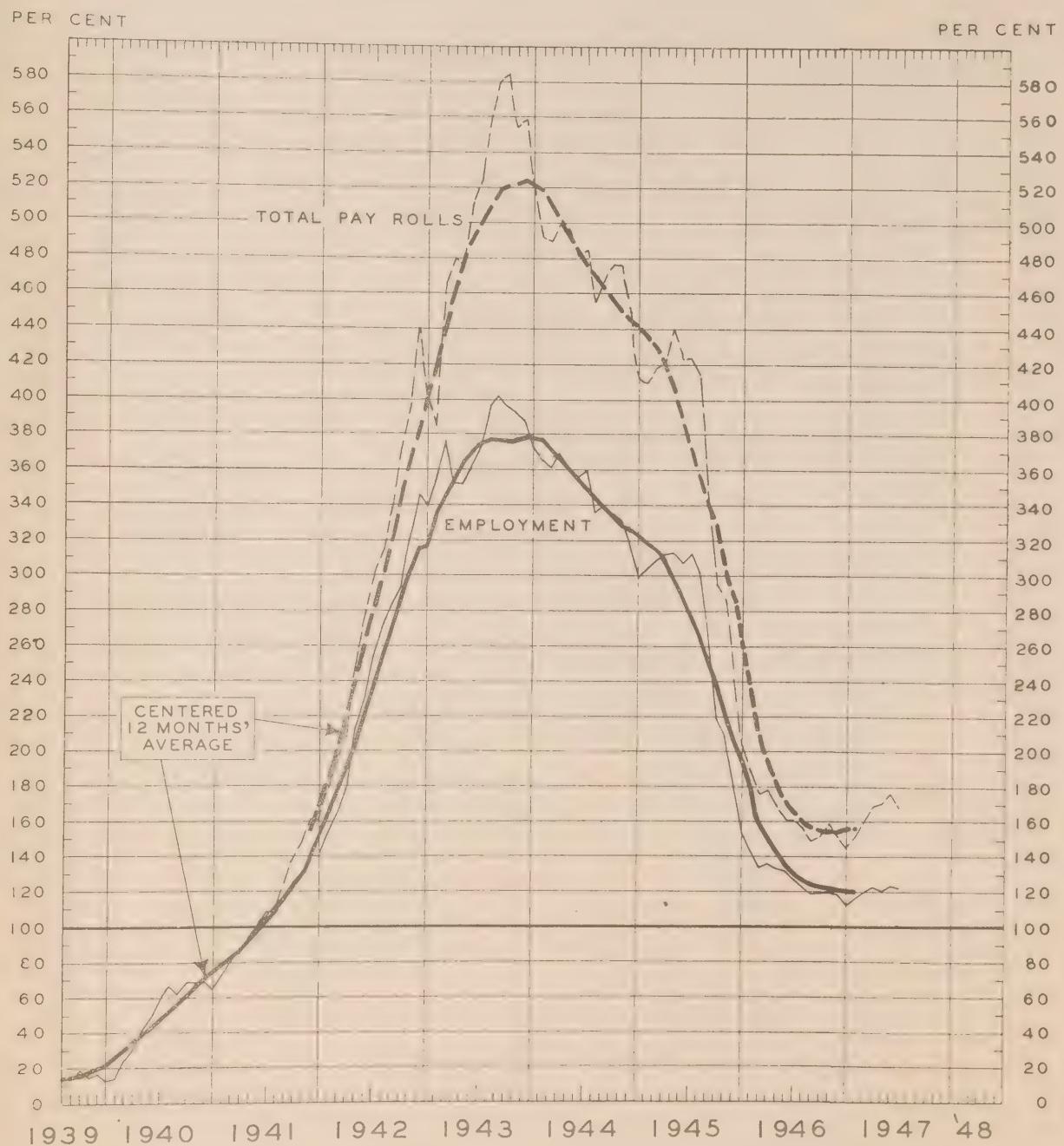
JUNE 1941 = 100





EMPLOYMENT AND PAY ROLLS IN MANUFACTURING  
SHIPBUILDING

JUNE 1941 = 100





# EMPLOYMENT AND PAY ROLLS IN MANUFACTURING FIREARMS

JUNE 1941 = 100

